

Exhibit 2

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joe Rice
 Motley Rice

April 14, 2019

In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]

Invoice #: 19442

Professional Services

| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|----|---|--------------------|---------------|
| <u>Christopher, William</u> | | | | |
| 3/23/2019 | WC | Cite verification; backup materials. | 8.00 195.00/hr | 1,560.00 |
| 3/24/2019 | WC | Cite verification; backup materials. | 12.00 195.00/hr | 2,340.00 |
| SUBTOTAL: | | | [20.00 | 3,900.00] |
| <u>Erickson, Bennett</u> | | | | |
| 3/13/2019 | BE | Preparation of backup materials. | 2.25 390.00/hr | 877.50 |
| 3/19/2019 | BE | Preparation of backup materials. | 1.50 390.00/hr | 585.00 |
| 3/20/2019 | BE | Preparation of backup materials; report verification. | 4.75 390.00/hr | 1,852.50 |
| 3/25/2019 | BE | Preparation of backup materials; report verification. | 7.00 390.00/hr | 2,730.00 |
| SUBTOTAL: | | | [15.50 | 6,045.00] |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|--------------------|---------------|
| <u>Farid, Monica</u> | | | |
| 3/20/2019 MF | Cite and analysis verification. | 8.00 300.00/hr | 2,400.00 |
| 3/21/2019 MF | Cite and analysis verification. | 6.00 300.00/hr | 1,800.00 |
| 3/22/2019 MF | Cite and analysis verification. | 3.00 300.00/hr | 900.00 |
| SUBTOTAL: | | [17.00 | 5,100.00] |
| <u>Garcia Mosqueira, A.</u> | | | |
| 3/1/2019 AGM | Valuation analysis. | 2.50 300.00/hr | 750.00 |
| 3/2/2019 AGM | Valuation analysis. | 2.00 300.00/hr | 600.00 |
| 3/7/2019 AGM | Valuation analysis. | 4.00 300.00/hr | 1,200.00 |
| 3/15/2019 AGM | Valuation analysis; verification. | 5.00 300.00/hr | 1,500.00 |
| 3/18/2019 AGM | Valuation analysis; verification. | 4.00 300.00/hr | 1,200.00 |
| 3/22/2019 AGM | Valuation analysis; verification. | 4.50 300.00/hr | 1,350.00 |
| 3/24/2019 AGM | Valuation analysis; verification. | 2.00 300.00/hr | 600.00 |
| SUBTOTAL: | | [24.00 | 7,200.00] |
| <u>Hatfield, Laura</u> | | | |
| 3/1/2019-LH 3/31/2019 | Review materials for and work with T. McGuire. | 10.00 500.00/hr | 5,000.00 |
| SUBTOTAL: | | [10.00 | 5,000.00] |
| <u>Kreider, Amanda</u> | | | |
| 3/1/2019 AK | Work on neglect. | 2.75 300.00/hr | 825.00 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|-------------------|---------------|
| 3/5/2019 | AK Work on neglect. | 0.25 300.00/hr | 75.00 |
| 3/6/2019 | AK Work on neglect, NAS. | 7.75 300.00/hr | 2,325.00 |
| 3/13/2019 | AK Research for T. McGuire. | 1.75 300.00/hr | 525.00 |
| | AK Work on neglect, NAS; research. | 3.50 300.00/hr | 1,050.00 |
| 3/15/2019 | AK Research for T. McGuire. | 3.75 300.00/hr | 1,125.00 |
| 3/20/2019 | AK Work on neglect; OUD; research. | 7.50 300.00/hr | 2,250.00 |
| 3/21/2019 | AK Verification of analysis. | 5.50 300.00/hr | 1,650.00 |
| 3/24/2019 | AK Work on analysis in report. | 4.00 300.00/hr | 1,200.00 |
| SUBTOTAL: | | [36.75 | 11,025.00] |
| <u>Owens, Tobie</u> | | | |
| 3/22/2019 | TO Research and cite verification for McGuire report. | 4.75 125.00/hr | 593.75 |
| SUBTOTAL: | | [4.75 | 593.75] |
| <u>Rushnawitz, R.</u> | | | |
| 3/1/2019 | RR Work on McGuire public nuisance report. | 2.75 575.00/hr | 1,581.25 |
| 3/3/2019 | RR Work on McGuire public nuisance report. | 6.75 575.00/hr | 3,881.25 |
| 3/4/2019 | RR Work on McGuire public nuisance report. | 5.50 575.00/hr | 3,162.50 |
| 3/5/2019 | RR Work on report; discussions. | 4.00 575.00/hr | 2,300.00 |
| 3/6/2019 | RR Work on report. | 2.50 575.00/hr | 1,437.50 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--------------------|--------------------|---------------|
| 3/7/2019 | RR Work on report. | 3.25 575.00/hr | 1,868.75 |
| 3/8/2019 | RR Work on report. | 1.25 575.00/hr | 718.75 |
| 3/11/2019 | RR Work on report. | 1.25 575.00/hr | 718.75 |
| 3/12/2019 | RR Work on report. | 3.25 575.00/hr | 1,868.75 |
| 3/13/2019 | RR Work on report. | 5.75 575.00/hr | 3,306.25 |
| 3/14/2019 | RR Work on report. | 1.00 575.00/hr | 575.00 |
| 3/15/2019 | RR Work on report. | 3.00 575.00/hr | 1,725.00 |
| 3/17/2019 | RR Work on report. | 11.25 575.00/hr | 6,468.75 |
| 3/18/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| 3/19/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| 3/20/2019 | RR Work on report. | 8.50 575.00/hr | 4,887.50 |
| 3/21/2019 | RR Work on report. | 10.00 575.00/hr | 5,750.00 |
| 3/22/2019 | RR Work on report. | 8.25 575.00/hr | 4,743.75 |
| 3/24/2019 | RR Work on report. | 12.75 575.00/hr | 7,331.25 |
| 3/25/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| SUBTOTAL: | | [106.00 | 60,950.00] |
| For professional services rendered | | 234.00 | \$99,813.75 |

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Additional Charges :

| | <u>Amount</u> |
|--------------------------------------|----------------------------|
| <u>Christopher, William</u> | |
| 3/24/2019 Late-night transportation. | 21.01 |
| Late-night meal. | 9.50 |
| SUBTOTAL: | <u>[30.51]</u> |
| Total costs | <u>\$30.51</u> |
| Total amount of this bill | <u>\$99,844.26</u> |
| Previous balance | <u>\$81,496.88</u> |
| Balance due | <u><u>\$181,341.14</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joe Rice
 Motley Rice

July 24, 2019

In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]

Invoice #: 19608

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|---------------------|
| <u>Farid, Monica</u> | | |
| 5/29/2019 MF Work on rebuttal. | 7.00 300.00/hr | 2,100.00 |
| SUBTOTAL: | [7.00 | 2,100.00] |
| <u>Rushnawitz, R.</u> | | |
| 5/31/2019 RR Draft reply. | 3.50 575.00/hr | 2,012.50 |
| SUBTOTAL: | [3.50 | 2,012.50] |
| For professional services rendered | 10.50 | \$4,112.50 |
| Previous balance | | \$109,140.51 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | | (\$9,296.25) |
| Total payments and adjustments | | (\$9,296.25) |
| Balance due | | <u>\$103,956.76</u> |

Greylock McKinnon Associates

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Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

April 14, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19440

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-----------------|------------------|
| <u>* Rosenthal, M.</u> | | |
| 3/1/2019-MR Review materials; work on report; discussions. | 47.50 | 39,187.50 |
| 3/31/2019 | 825.00/hr | |
| SUBTOTAL: | [47.50 | 39,187.50] |
| For professional services rendered | 47.50 | \$39,187.50 |
| Previous balance | | \$77,731.25 |
| Balance due | | \$116,918.75 |

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Invoice submitted to:
 Joseph Rice
 Motley Rice
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July 24, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19607

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-----------------|--------------------|
| * <u>Rosenthal, M.</u> | | |
| 5/1/2019-MR Deposition. | 18.50 | 16,650.00 |
| 5/31/2019 | 900.00/hr | |
| MR Preparation for deposition; review materials; work on reply; discussions. | 26.75 | 22,068.75 |
| | 825.00/hr | |
| SUBTOTAL: | [45.25 | 38,718.75] |
| For professional services rendered | 45.25 | \$38,718.75 |
| Previous balance | | \$58,575.00 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | | (\$19,387.50) |
| Total payments and adjustments | | (\$19,387.50) |
| Balance due | | <u>\$77,906.25</u> |

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 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

April 14, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19447

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 3/4/2019 | MA Call with counsel in re defendant Xponent data. | 0.50 500.00/hr | 250.00 |
| SUBTOTAL: | | [0.50 | 250.00] |
| <u>Christopher, William</u> | | | |
| 3/1/2019 | WC Data analysis and verification. | 5.50 195.00/hr | 1,072.50 |
| 3/4/2019 | WC Data analysis and verification. | 3.00 195.00/hr | 585.00 |
| 3/13/2019 | WC Data analysis. | 1.00 195.00/hr | 195.00 |
| 3/14/2019 | WC Data analysis. | 1.00 195.00/hr | 195.00 |
| 3/18/2019 | WC Data analysis. | 2.00 195.00/hr | 390.00 |
| 3/19/2019 | WC Data analysis. | 3.50 195.00/hr | 682.50 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|--|-------------------|---------------|
| 3/20/2019 | WC Data analysis. | 3.00 195.00/hr | 585.00 |
| SUBTOTAL: | | [19.00 | 3,705.00] |
| <u>Erickson, Bennett</u> | | | |
| 3/11/2019 | BE Data analysis. | 2.00 390.00/hr | 780.00 |
| 3/12/2019 | BE Data analysis. | 1.75 390.00/hr | 682.50 |
| 3/13/2019 | BE Data analysis. | 1.00 390.00/hr | 390.00 |
| 3/14/2019 | BE Data analysis. | 1.75 390.00/hr | 682.50 |
| 3/25/2019 | BE Work on production of Rosenthal report. | 7.75 390.00/hr | 3,022.50 |
| SUBTOTAL: | | [14.25 | 5,557.50] |
| <u>Hebert, Brian</u> | | | |
| 3/13/2019 | BH Data analysis. | 3.75 390.00/hr | 1,462.50 |
| SUBTOTAL: | | [3.75 | 1,462.50] |
| <u>Honan, Sarah</u> | | | |
| 3/1/2019 | SH Data analysis (Xponent). | 0.50 235.00/hr | 117.50 |
| 3/4/2019 | SH Data analysis (Xponent). | 5.75 235.00/hr | 1,351.25 |
| 3/13/2019 | SH Data analysis (Xponent). | 3.50 235.00/hr | 822.50 |
| SUBTOTAL: | | [9.75 | 2,291.25] |
| <u>Levy, Doug</u> | | | |
| 3/1/2019- 3/31/2019 | DL Econometric analysis. | 1.00 475.00/hr | 475.00 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|--------------------|---------------|
| | SUBTOTAL: | [1.00 | 475.00] |
| | <u>McCluer, Forrest</u> | | |
| 3/1/2019 | FM Prepared tables and charts for report. Reviewed and edited draft report. | 5.00 500.00/hr | 2,500.00 |
| 3/3/2019 | FM Reviewed and revised draft. Prepared tables and sources. | 2.75 500.00/hr | 1,375.00 |
| 3/4/2019 | FM Worked on report. Reviewed and update analysis, tables and charts. | 8.25 500.00/hr | 4,125.00 |
| 3/5/2019 | FM Prepared tables and charts, updated report. Data checked calculations. | 3.00 500.00/hr | 1,500.00 |
| 3/6/2019 | FM Review and edit draft report. Prepare tables and appendices. | 8.25 500.00/hr | 4,125.00 |
| 3/7/2019 | FM Update analyses. Review and edit draft report. Prepare tables and appendices. | 8.75 500.00/hr | 4,375.00 |
| 3/8/2019 | FM Prepare attachments for report. Set up data checking for production | 9.75 500.00/hr | 4,875.00 |
| 3/11/2019 | FM Prepare attachments for report. | 9.50 500.00/hr | 4,750.00 |
| 3/12/2019 | FM Prepare attachments for report. Data check. | 9.75 500.00/hr | 4,875.00 |
| 3/13/2019 | FM Coordinating data checking procedures. Organized data tasks on uninsured rates. Prepared attachments. | 7.75 500.00/hr | 3,875.00 |
| 3/14/2019 | FM Update indirect method. Data check. Prepare tables and charts. | 12.50 500.00/hr | 6,250.00 |
| 3/15/2019 | FM Update tables and charts. Reviewed draft. Data checking. | 8.75 500.00/hr | 4,375.00 |
| 3/16/2019 | FM Update analysis. | 10.50 500.00/hr | 5,250.00 |
| 3/17/2019 | FM Update analysis. | 14.00 500.00/hr | 7,000.00 |
| 3/18/2019 | FM Update analysis. | 13.50 500.00/hr | 6,750.00 |
| 3/19/2019 | FM Update analysis. | 14.00 500.00/hr | 7,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|--------------------|---------------|
| 3/20/2019 FM | Update analysis. | 11.00 500.00/hr | 5,500.00 |
| 3/21/2019 FM | Update analysis. | 8.50 500.00/hr | 4,250.00 |
| 3/22/2019 FM | Update analysis. | 16.00 500.00/hr | 8,000.00 |
| 3/23/2019 FM | Update analysis. | 19.00 500.00/hr | 9,500.00 |
| 3/24/2019 FM | Work on report; analysis. | 16.50 500.00/hr | 8,250.00 |
| 3/25/2019 FM | Work on report; analysis; back up materials. | 16.00 500.00/hr | 8,000.00 |
| 3/26/2019 FM | Production verification. | 7.00 500.00/hr | 3,500.00 |
| 3/27/2019 FM | Production verification. | 0.50 500.00/hr | 250.00 |
| 3/29/2019 FM | Worked with X. Sha and rechecking production data and code. | 2.00 500.00/hr | 1,000.00 |
| 3/30/2019 FM | Re-checked production of programs and data. Coordinated conveyance of data. | 4.00 500.00/hr | 2,000.00 |
| 3/31/2019 FM | Checked production of data and programs. | 1.25 500.00/hr | 625.00 |
| SUBTOTAL: | | [247.75 | 123,875.00] |
| <u>Rushnawitz, R.</u> | | | |
| 3/11/2019 RR | Discussions. | 0.50 575.00/hr | 287.50 |
| 3/14/2019 RR | Work on report. | 2.00 575.00/hr | 1,150.00 |
| 3/18/2019 RR | Discussions; review materials re Rosenthal report. | 3.00 575.00/hr | 1,725.00 |
| 3/19/2019 RR | Materials for Rosenthal report. | 1.75 575.00/hr | 1,006.25 |
| 3/20/2019 RR | Materials for Rosenthal report. | 2.00 575.00/hr | 1,150.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------|------------------------------------|--------------------|---------------|
| 3/25/2019 | RR Rosenthal report filing. | 1.50 575.00/hr | 862.50 |
| SUBTOTAL: | | [10.75 | 6,181.25] |
| <u>Sha, Xin</u> | | | |
| 3/1/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/4/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/5/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 3/6/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 3/7/2019 | XS Data analysis and verification. | 9.50 330.00/hr | 3,135.00 |
| 3/8/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/11/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/12/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/13/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/14/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/15/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/16/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/17/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/18/2019 | XS Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/19/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|----|---------------------------------|--------------------|---------------|
| 3/20/2019 | XS | Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/21/2019 | XS | Data analysis and verification. | 11.00 330.00/hr | 3,630.00 |
| 3/22/2019 | XS | Data analysis and verification. | 14.00 330.00/hr | 4,620.00 |
| 3/23/2019 | XS | Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/24/2019 | XS | Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/25/2019 | XS | Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/27/2019 | XS | Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/28/2019 | XS | Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/29/2019 | XS | Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| SUBTOTAL: | | | [274.50 | 90,585.00] |
| <u>Starr, Martha</u> | | | | |
| 3/11/2019 | MS | Econometric analysis. | 2.00 500.00/hr | 1,000.00 |
| 3/13/2019 | MS | Research. | 3.00 500.00/hr | 1,500.00 |
| 3/14/2019 | MS | Research. | 0.50 500.00/hr | 250.00 |
| 3/17/2019 | MS | Econometric analysis. | 6.00 500.00/hr | 3,000.00 |
| 3/18/2019 | MS | Econometric analysis. | 5.00 500.00/hr | 2,500.00 |
| 3/19/2019 | MS | Econometric analysis. | 5.00 500.00/hr | 2,500.00 |
| 3/20/2019 | MS | Econometric analysis. | 3.00 500.00/hr | 1,500.00 |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------|----|--|--------------------|---------------|
| 3/24/2019 | MS | Work on report. | 10.00 500.00/hr | 5,000.00 |
| 3/25/2019 | MS | Work on report. | 14.00 500.00/hr | 7,000.00 |
| SUBTOTAL: | | | [48.50 | 24,250.00] |
| <u>Tolmie, S.</u> | | | | |
| 3/1/2019 | ST | Data analysis; preparation of materials for report; review discovery. | 6.00 195.00/hr | 1,170.00 |
| 3/4/2019 | ST | Data analysis; preparation of materials for report; review discovery; discussions. | 7.50 195.00/hr | 1,462.50 |
| 3/5/2019 | ST | Preparation of discovery materials; review discovery. | 11.50 195.00/hr | 2,242.50 |
| 3/6/2019 | ST | Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/7/2019 | ST | Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/8/2019 | ST | Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/11/2019 | ST | Preparation of discovery materials; review discovery; literature review. | 7.00 195.00/hr | 1,365.00 |
| 3/12/2019 | ST | Preparation of discovery materials; review discovery; literature review. | 9.50 195.00/hr | 1,852.50 |
| 3/13/2019 | ST | Data analysis; preparation of materials for report; review discovery. | 9.50 195.00/hr | 1,852.50 |
| 3/14/2019 | ST | Data analysis; review materials. | 10.50 195.00/hr | 2,047.50 |
| 3/15/2019 | ST | Data analysis; work on report. | 11.50 195.00/hr | 2,242.50 |
| 3/16/2019 | ST | Data analysis; document review. | 4.50 195.00/hr | 877.50 |
| 3/17/2019 | ST | Data analysis; document review; cite verification. | 7.00 195.00/hr | 1,365.00 |
| 3/18/2019 | ST | Data analysis; document review; cite verification. | 13.50 195.00/hr | 2,632.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|---|--------------------|---------------|
| 3/19/2019 | ST Data analysis; document review; cite verification. | 11.00 195.00/hr | 2,145.00 |
| 3/20/2019 | ST Data analysis; document review; cite verification. | 9.00 195.00/hr | 1,755.00 |
| 3/21/2019 | ST Data analysis; document review; cite verification. | 10.00 195.00/hr | 1,950.00 |
| 3/22/2019 | ST Data analysis; document review; cite verification. | 9.25 195.00/hr | 1,803.75 |
| 3/23/2019 | ST Data analysis; document review; cite verification. | 10.25 195.00/hr | 1,998.75 |
| 3/24/2019 | ST Preparation of report; cite verification. | 10.75 195.00/hr | 2,096.25 |
| 3/25/2019 | ST Preparation of report; cite verification. | 13.00 195.00/hr | 2,535.00 |
| 3/27/2019 | ST Compiling back up materials for expert. | 2.00 195.00/hr | 390.00 |
| 3/29/2019 | ST Compiling back up materials for expert. | 2.00 195.00/hr | 390.00 |
| SUBTOTAL: | | [194.75 | 37,976.25] |
| For professional services rendered | | 824.50 | \$296,608.75 |
| Additional Charges : | | | |
| <u>Erickson, Bennett</u> | | | |
| 3/25/2019 | Late-night transportation. | | 10.00 |
| SUBTOTAL: | | [| 10.00] |
| <u>McCluer, Forrest</u> | | | |
| 2/1/2019- | Trip to Boston for meeting; Airfare (\$341.60); Parking (\$50.00); Taxi (\$30.00, | | 486.69 |
| 2/28/2019 | \$29.70); Meals (\$17.57, \$17.82). [NOT PREVIOUSLY INVOICED] | | |
| 3/1/2019- | Weekend and late-night meals (\$17.84 Meal; \$15.02 Meal; \$36.14 Meal with | | 127.49 |
| 3/31/2019 | S. Tolmie; \$18.01 Meal; \$40.48 Meal with S. Tolmie). | | |
| SUBTOTAL: | | [| 614.18] |

Joseph Rice

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| | <u>Amount</u> |
|--|---------------|
| <u>Starr, Martha</u> | |
| 3/24/2019 Publication purchase for Rosenthal report. | 24.00 |
| Publication purchase for Rosenthal report. | 35.95 |
| Publication purchase for Rosenthal report. | 30.80 |
| Publication purchase for Rosenthal report. | 49.00 |
| Publication purchase for Rosenthal report. | 62.54 |
| Publication purchase for Rosenthal report. | 45.00 |
| Publication purchase for Rosenthal report. | 31.80 |
| Publication purchase for Rosenthal report. | 35.95 |
| SUBTOTAL: | [315.04] |
| <u>Tolmie, S.</u> | |
| 3/5/2019 Late-night meal. | 14.06 |
| Late-night transportation. | 5.37 |
| 3/12/2019 Late-night meal. | 10.22 |
| 3/13/2019 Late-night meal. | 10.86 |
| 3/15/2019 Late-night transportation. | 5.19 |
| 3/16/2019 Weekend meal. | 13.61 |
| 3/17/2019 Weekend transportation. | 5.19 |
| Weekend meal. | 12.65 |
| 3/18/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 28.22 |
| 3/19/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 36.14 |
| 3/20/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 12.65 |

Joseph Rice

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| | <u>Amount</u> |
|--------------------------------------|--------------------|
| 3/21/2019 Late-night meal. | 14.03 |
| 3/23/2019 Weekend transportation. | 10.60 |
| 3/24/2019 Weekend transportation. | 7.42 |
| Weekend meal. | 7.14 |
| 3/25/2019 Late-night transportation. | 7.42 |
| Late-night meals. | 13.20 |
| SUBTOTAL: | [236.23] |
| Total costs | \$1,175.45 |
| Total amount of this bill | \$297,784.20 |
| Previous balance | \$782,358.02 |
| Balance due | \$1,080,142.22 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

July 24, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19609

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|---------------|
| <u>Augusteijn, M.</u> | | |
| 5/1/2019 MA Rosenthal deposition preparation. | 0.50 500.00/hr | 250.00 |
| SUBTOTAL: | [0.50 | 250.00] |
| <u>Christopher, William</u> | | |
| 5/16/2019 WC Review defendants' reports. | 2.00 195.00/hr | 390.00 |
| 5/17/2019 WC Review defendants' reports. | 3.50 195.00/hr | 682.50 |
| SUBTOTAL: | [5.50 | 1,072.50] |
| <u>Erickson, Bennett</u> | | |
| 5/6/2019 BE Data analysis. | 0.25 390.00/hr | 97.50 |
| SUBTOTAL: | [0.25 | 97.50] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|--|--------------------|---------------|
| | | <u>Farid, Monica</u> | | |
| 5/1/2019 | MF | Review materials for M. Rosenthal in preparation of deposition. | 6.00 300.00/hr | 1,800.00 |
| | | SUBTOTAL: | [6.00 | 1,800.00] |
| | | <u>Hebert, Brian</u> | | |
| 5/22/2019 | BH | Data analysis. | 0.50 390.00/hr | 195.00 |
| | | SUBTOTAL: | [0.50 | 195.00] |
| | | <u>Honan, Sarah</u> | | |
| 5/13/2019 | SH | Review defendants' reports; analyze backup materials and code provided. | 2.00 235.00/hr | 470.00 |
| 5/17/2019 | SH | Review defendants' reports; analyze backup materials and code provided. | 5.50 235.00/hr | 1,292.50 |
| 5/19/2019 | SH | Xponent data analysis re defense experts. | 0.25 235.00/hr | 58.75 |
| 5/20/2019 | SH | Xponent analysis. | 5.25 235.00/hr | 1,233.75 |
| 5/21/2019 | SH | Xponent analysis. | 2.25 235.00/hr | 528.75 |
| | | SUBTOTAL: | [15.25 | 3,583.75] |
| | | <u>McCluer, Forrest</u> | | |
| 5/1/2019 | FM | Reviewed report for errata. | 5.75 500.00/hr | 2,875.00 |
| 5/2/2019 | FM | Finalize errata. Call with M. Rosenthal. | 4.50 500.00/hr | 2,250.00 |
| 5/3/2019 | FM | Prepared potential questions for M. Rosenthal. Spot checked calculations. | 3.50 500.00/hr | 1,750.00 |
| 5/4/2019 | FM | Listened to Rosenthal deposition and took notes. Reviewed report as well as underlying data and support documents. | 11.00 500.00/hr | 5,500.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|--------------------|---------------|
| 5/5/2019 FM | Listened in on Rosenthal deposition. | 6.50 500.00/hr | 3,250.00 |
| 5/11/2019 FM | Download defense expert reports and data. | 4.00 500.00/hr | 2,000.00 |
| 5/12/2019 FM | Review and summarize defense expert back up data. | 3.75 500.00/hr | 1,875.00 |
| 5/13/2019 FM | Review defense expert reports. Identify staff tasks for rebuttal. | 5.75 500.00/hr | 2,875.00 |
| 5/14/2019 FM | Reviewed defendant expert reports. | 8.25 500.00/hr | 4,125.00 |
| 5/15/2019 FM | Conference call with M. Rosenthal. Organized topics to address. | 10.50 500.00/hr | 5,250.00 |
| 5/17/2019 FM | Researched scripting methods to access and replicate defendants' production. Supervised the compilation of topic notes by expert. | 7.75 500.00/hr | 3,875.00 |
| 5/18/2019 FM | Worked on defense expert data, scripts and programs. | 7.00 500.00/hr | 3,500.00 |
| 5/19/2019 FM | Reviewed defendants' reports, data and programs. Prepared outline of replies. | 7.00 500.00/hr | 3,500.00 |
| 5/20/2019 FM | Prepared outline of topics for M. Rosenthal reply to defense experts. Worked with staff to replicate selected analyses conducted by defense experts. | 10.75 500.00/hr | 5,375.00 |
| 5/21/2019 FM | Worked through defendants' expert empirical analyses. | 8.75 500.00/hr | 4,375.00 |
| 5/22/2019 FM | Worked on defendants' data, programs and analysis. | 14.75 500.00/hr | 7,375.00 |
| 5/23/2019 FM | Conference call, review defendants' reports, data, and programs. | 11.00 500.00/hr | 5,500.00 |
| 5/24/2019 FM | Reviewed defendants' expert empirical analyses. Reviewed and summarized defendants' expert reports. Identified analyses to replicate and rebut. | 7.75 500.00/hr | 3,875.00 |
| 5/26/2019 FM | Reviewed defendants' reports. Outlined topics of interest. | 4.50 500.00/hr | 2,250.00 |
| 5/27/2019 FM | Reviewed defendants' reports. | 8.00 500.00/hr | 4,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|--------------------|---------------|
| 5/29/2019 FM | Work on defendants' reports and analysis. | 2.50 500.00/hr | 1,250.00 |
| 5/30/2019 FM | Review and summarize empirical work. Discussions with M. Rosenthal and R. Rushnawitz. | 10.25 500.00/hr | 5,125.00 |
| 5/31/2019 FM | Review notes and defendants' analyses. Prepared task list and assignments. | 3.00 500.00/hr | 1,500.00 |
| SUBTOTAL: | | [166.50 | 83,250.00] |
| <u>Owens, Tobie</u> | | | |
| 5/23/2019 TO | Preparation of materials for meeting with counsel. | 1.00 125.00/hr | 125.00 |
| SUBTOTAL: | | [1.00 | 125.00] |
| <u>Rushnawitz, R.</u> | | | |
| 5/3/2019 RR | Research for F. McCluer. | 0.13 575.00/hr | 71.88 |
| 5/7/2019 RR | Call with counsel. | 0.25 575.00/hr | 143.75 |
| 5/12/2019 RR | Review materials; data. | 0.50 575.00/hr | 287.50 |
| 5/13/2019 RR | Preparation of materials for M. Rosenthal; discussions; review defendants' reports. | 2.50 575.00/hr | 1,437.50 |
| 5/14/2019 RR | Review materials; discussions. | 1.50 575.00/hr | 862.50 |
| 5/15/2019 RR | Call with team. | 0.50 575.00/hr | 287.50 |
| 5/20/2019 RR | Discussions; follow up. | 0.75 575.00/hr | 431.25 |
| 5/23/2019 RR | Call with counsel and experts re rebuttal plans. | 3.25 575.00/hr | 1,868.75 |
| 5/30/2019 RR | Call with counsel; meeting with M. Rosenthal and F. McCluer. | 2.63 575.00/hr | 1,509.38 |
| SUBTOTAL: | | [12.01 | 6,900.01] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------|----|---|--------------------|---------------|
| <u>Sha, Xin</u> | | | | |
| 5/1/2019 | XS | Verify backup for errata. | 1.00 330.00/hr | 330.00 |
| 5/2/2019 | XS | Verify backup for errata. | 3.00 330.00/hr | 990.00 |
| 5/13/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 9.00 330.00/hr | 2,970.00 |
| 5/14/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 9.00 330.00/hr | 2,970.00 |
| 5/15/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 5.00 330.00/hr | 1,650.00 |
| 5/16/2019 | XS | Checking R programs written by defendants. | 10.00 330.00/hr | 3,300.00 |
| 5/17/2019 | XS | Checking R programs written by defendants; inventory of data types produced. | 7.00 330.00/hr | 2,310.00 |
| 5/20/2019 | XS | Worked on Xponent analysis; work on inventory tables. | 5.00 330.00/hr | 1,650.00 |
| 5/21/2019 | XS | Worked on Xponent analysis; work on inventory tables. | 3.75 330.00/hr | 1,237.50 |
| 5/22/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/23/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/24/2019 | XS | Work on replicating defendants' programs and results. | 9.50 330.00/hr | 3,135.00 |
| 5/28/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/29/2019 | XS | Work on replicating defendants' programs and results. | 7.00 330.00/hr | 2,310.00 |
| 5/30/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/31/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| SUBTOTAL: | | | [109.25 | 36,052.50] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----------------------|--|-------------------|---------------|
| | <u>Starr, Martha</u> | | | |
| 5/1/2019 | MS | Review materials for errata and deposition preparation. | 6.00 500.00/hr | 3,000.00 |
| 5/2/2019 | MS | Review materials for errata and deposition preparation. | 3.00 500.00/hr | 1,500.00 |
| 5/4/2019 | MS | Call in to Rosenthal deposition; follow up. | 4.00 500.00/hr | 2,000.00 |
| 5/5/2019 | MS | Call in to Rosenthal deposition; follow up. | 5.00 500.00/hr | 2,500.00 |
| 5/13/2019 | MS | Review and comment on Kyle report. | 3.00 500.00/hr | 1,500.00 |
| 5/15/2019 | MS | Comment on Cockburn report. | 2.25 500.00/hr | 1,125.00 |
| 5/17/2019 | MS | Review and comment on Kyle and other experts reports. | 4.00 500.00/hr | 2,000.00 |
| 5/23/2019 | MS | Research for response to defendants' reports. | 2.00 500.00/hr | 1,000.00 |
| 5/26/2019 | MS | Preparation of materials with M. Rosenthal re respnse. | 1.25 500.00/hr | 625.00 |
| | SUBTOTAL: | | [30.50 | 15,250.00] |
| | <u>Stone, Sarah</u> | | | |
| 5/13/2019 | SS | Review and summarize defendants' reports. | 3.00 195.00/hr | 585.00 |
| 5/14/2019 | SS | Reviewed arguments in defendants' expert reports and summarized points for F. McCluer. | 6.00 195.00/hr | 1,170.00 |
| 5/15/2019 | SS | Review defendants' reports for cites re promotion and depreciation rates. | 4.75 195.00/hr | 926.25 |
| 5/16/2019 | SS | Review defendants' reports and summarize; identify cites re promotion. | 6.00 195.00/hr | 1,170.00 |
| 5/17/2019 | SS | Review defendants' reports and identify materials for review. | 5.00 195.00/hr | 975.00 |
| | SUBTOTAL: | | [24.75 | 4,826.25] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|-------------------|--|--------------------|---------------|
| | <u>Tolmie, S.</u> | | | |
| 5/1/2019 | ST | Assist with preparation for Rosenthal deposition. | 12.00 195.00/hr | 2,340.00 |
| 5/2/2019 | ST | Assist with preparation for Rosenthal deposition. | 7.00 195.00/hr | 1,365.00 |
| 5/3/2019 | ST | Assist with preparation for Rosenthal deposition. | 4.00 195.00/hr | 780.00 |
| 5/14/2019 | ST | Download and inventory defendants' experts reports. | 5.00 195.00/hr | 975.00 |
| 5/15/2019 | ST | Inventory defendants' experts reports; run defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/16/2019 | ST | Inventory defendants' experts reports; run defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/17/2019 | ST | Inventory defendants' experts reports. | 7.00 195.00/hr | 1,365.00 |
| 5/20/2019 | ST | Inventory defendants' experts reports; run and research defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/21/2019 | ST | Writing code to recreate defendants' produced exhibits and empirical work. | 7.00 195.00/hr | 1,365.00 |
| 5/22/2019 | ST | Writing code to recreate defendants' produced exhibits and empirical work. | 6.00 195.00/hr | 1,170.00 |
| 5/23/2019 | ST | Writing code to recreate defendants' produced exhibits and empirical work. | 7.00 195.00/hr | 1,365.00 |
| 5/29/2019 | ST | Reviewing defendants' expert reports for causal claims. | 4.50 195.00/hr | 877.50 |
| 5/30/2019 | ST | Summarizing defendants' expert empirical work. | 8.00 195.00/hr | 1,560.00 |
| 5/31/2019 | ST | Review defendants' reports; research discovery. | 6.00 195.00/hr | 1,170.00 |
| SUBTOTAL: | | | [91.50 | 17,842.50] |
| For professional services rendered | | | 463.51 | \$171,245.01 |

Joseph Rice

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Additional Charges :

| | <u>Amount</u> |
|--|----------------------------|
| <u>McCluer, Forrest</u> | |
| 5/31/2019 Travel for meetings with M. Rosenthal, and staff, Hotel (\$1,407.90); Meals (\$79.25). | 1,487.15 |
| SUBTOTAL: | [1,487.15] |
| <u>Rushnawitz, R.</u> | |
| 5/22/2019 Publication: Aggregation and the Endogeneity Problem. | 43.00 |
| SUBTOTAL: | [43.00] |
| <u>Starr, Martha</u> | |
| 5/17/2019 Article referred to in Margaret Kyle's report. Qi, Shi. "The impact of advertising regulation on industry: The cigarette advertising ban of 1971." The RAND Journal of Economics 44.2 (2013): 215-248. | 42.00 |
| SUBTOTAL: | [42.00] |
| Total costs | <u>\$1,572.15</u> |
| Total amount of this bill | <u>\$172,817.16</u> |
| Previous balance | \$425,087.84 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | (\$127,303.64) |
| Total payments and adjustments | (\$127,303.64) |
| Balance due | <u><u>\$470,601.36</u></u> |

Greylock Associates

| Inv# | Date | Amount |
|-------|------------|------------|
| 19447 | 03/31/2019 | 297,784.20 |
| 19442 | 03/31/2019 | 99,844.26 |
| 19608 | 05/31/2019 | 4,112.50 |
| 19440 | 03/31/2019 | 39,187.50 |
| 19607 | 05/31/2019 | 38,718.75 |
| 19609 | 05/31/2019 | 172,817.16 |
| | | 652,464.37 |

| | | |
|-----------------------------------|----|---------------------|
| Total amount billed from Greylock | \$ | 2,849,254.53 |
| payments from MDL ACCOUNT | \$ | <u>2,196,790.16</u> |
| BALANCE DUE | \$ | 652,464.37 |

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

April 14, 2019
In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19440

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-----------------|------------------|
| <u>* Rosenthal, M.</u> | | |
| 3/1/2019-MR Review materials; work on report; discussions. | 47.50 | 39,187.50 |
| 3/31/2019 | 825.00/hr | |
| SUBTOTAL: | [47.50 | 39,187.50] |
| For professional services rendered | 47.50 | \$39,187.50 |
| Previous balance | | \$77,731.25 |
| Balance due | | \$116,918.75 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice

Motley Rice

CC: T. Sobol/HBSS

April 14, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19447

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 3/4/2019 | MA Call with counsel in re defendant Xponent data. | 0.50 500.00/hr | 250.00 |
| SUBTOTAL: | | [0.50 | 250.00] |
| <u>Christopher, William</u> | | | |
| 3/1/2019 | WC Data analysis and verification. | 5.50 195.00/hr | 1,072.50 |
| 3/4/2019 | WC Data analysis and verification. | 3.00 195.00/hr | 585.00 |
| 3/13/2019 | WC Data analysis. | 1.00 195.00/hr | 195.00 |
| 3/14/2019 | WC Data analysis. | 1.00 195.00/hr | 195.00 |
| 3/18/2019 | WC Data analysis. | 2.00 195.00/hr | 390.00 |
| 3/19/2019 | WC Data analysis. | 3.50 195.00/hr | 682.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|---|-------------------|---------------|
| 3/20/2019 WC | Data analysis. | 3.00 195.00/hr | 585.00 |
| SUBTOTAL: | | [19.00 | 3,705.00] |
| <u>Erickson, Bennett</u> | | | |
| 3/11/2019 BE | Data analysis. | 2.00 390.00/hr | 780.00 |
| 3/12/2019 BE | Data analysis. | 1.75 390.00/hr | 682.50 |
| 3/13/2019 BE | Data analysis. | 1.00 390.00/hr | 390.00 |
| 3/14/2019 BE | Data analysis. | 1.75 390.00/hr | 682.50 |
| 3/25/2019 BE | Work on production of Rosenthal report. | 7.75 390.00/hr | 3,022.50 |
| SUBTOTAL: | | [14.25 | 5,557.50] |
| <u>Hebert, Brian</u> | | | |
| 3/13/2019 BH | Data analysis. | 3.75 390.00/hr | 1,462.50 |
| SUBTOTAL: | | [3.75 | 1,462.50] |
| <u>Honan, Sarah</u> | | | |
| 3/1/2019 SH | Data analysis (Xponent). | 0.50 235.00/hr | 117.50 |
| 3/4/2019 SH | Data analysis (Xponent). | 5.75 235.00/hr | 1,351.25 |
| 3/13/2019 SH | Data analysis (Xponent). | 3.50 235.00/hr | 822.50 |
| SUBTOTAL: | | [9.75 | 2,291.25] |
| <u>Levy, Doug</u> | | | |
| 3/1/2019-DL 3/31/2019 | Econometric analysis. | 1.00 475.00/hr | 475.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------------|--|--------------------|---------------|
| SUBTOTAL: | | [1.00 | 475.00] |
| <u>McCluer, Forrest</u> | | | |
| 3/1/2019 | FM Prepared tables and charts for report. Reviewed and edited draft report. | 5.00 500.00/hr | 2,500.00 |
| 3/3/2019 | FM Reviewed and revised draft. Prepared tables and sources. | 2.75 500.00/hr | 1,375.00 |
| 3/4/2019 | FM Worked on report. Reviewed and update analysis, tables and charts. | 8.25 500.00/hr | 4,125.00 |
| 3/5/2019 | FM Prepared tables and charts, updated report. Data checked calculations. | 3.00 500.00/hr | 1,500.00 |
| 3/6/2019 | FM Review and edit draft report. Prepare tables and appendices. | 8.25 500.00/hr | 4,125.00 |
| 3/7/2019 | FM Update analyses. Review and edit draft report. Prepare tables and appendices. | 8.75 500.00/hr | 4,375.00 |
| 3/8/2019 | FM Prepare attachments for report. Set up data checking for production | 9.75 500.00/hr | 4,875.00 |
| 3/11/2019 | FM Prepare attachments for report. | 9.50 500.00/hr | 4,750.00 |
| 3/12/2019 | FM Prepare attachments for report. Data check. | 9.75 500.00/hr | 4,875.00 |
| 3/13/2019 | FM Coordinating data checking procedures. Organized data tasks on uninsured rates. Prepared attachments. | 7.75 500.00/hr | 3,875.00 |
| 3/14/2019 | FM Update indirect method. Data check. Prepare tables and charts. | 12.50 500.00/hr | 6,250.00 |
| 3/15/2019 | FM Update tables and charts. Reviewed draft. Data checking. | 8.75 500.00/hr | 4,375.00 |
| 3/16/2019 | FM Update analysis. | 10.50 500.00/hr | 5,250.00 |
| 3/17/2019 | FM Update analysis. | 14.00 500.00/hr | 7,000.00 |
| 3/18/2019 | FM Update analysis. | 13.50 500.00/hr | 6,750.00 |
| 3/19/2019 | FM Update analysis. | 14.00 500.00/hr | 7,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|--------------------|---------------|
| 3/20/2019 FM | Update analysis. | 11.00 500.00/hr | 5,500.00 |
| 3/21/2019 FM | Update analysis. | 8.50 500.00/hr | 4,250.00 |
| 3/22/2019 FM | Update analysis. | 16.00 500.00/hr | 8,000.00 |
| 3/23/2019 FM | Update analysis. | 19.00 500.00/hr | 9,500.00 |
| 3/24/2019 FM | Work on report; analysis. | 16.50 500.00/hr | 8,250.00 |
| 3/25/2019 FM | Work on report; analysis; back up materials. | 16.00 500.00/hr | 8,000.00 |
| 3/26/2019 FM | Production verification. | 7.00 500.00/hr | 3,500.00 |
| 3/27/2019 FM | Production verification. | 0.50 500.00/hr | 250.00 |
| 3/29/2019 FM | Worked with X. Sha and rechecking production data and code. | 2.00 500.00/hr | 1,000.00 |
| 3/30/2019 FM | Re-checked production of programs and data. Coordinated conveyance of data. | 4.00 500.00/hr | 2,000.00 |
| 3/31/2019 FM | Checked production of data and programs. | 1.25 500.00/hr | 625.00 |
| SUBTOTAL: | | [247.75 | 123,875.00] |
| <u>Rushnawitz, R.</u> | | | |
| 3/11/2019 RR | Discussions. | 0.50 575.00/hr | 287.50 |
| 3/14/2019 RR | Work on report. | 2.00 575.00/hr | 1,150.00 |
| 3/18/2019 RR | Discussions; review materials re Rosenthal report. | 3.00 575.00/hr | 1,725.00 |
| 3/19/2019 RR | Materials for Rosenthal report. | 1.75 575.00/hr | 1,006.25 |
| 3/20/2019 RR | Materials for Rosenthal report. | 2.00 575.00/hr | 1,150.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------|------------------------------------|--------------------|---------------|
| 3/25/2019 | RR Rosenthal report filing. | 1.50 575.00/hr | 862.50 |
| SUBTOTAL: | | [10.75 | 6,181.25] |
| <u>Sha, Xin</u> | | | |
| 3/1/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/4/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/5/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 3/6/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 3/7/2019 | XS Data analysis and verification. | 9.50 330.00/hr | 3,135.00 |
| 3/8/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/11/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/12/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/13/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/14/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/15/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/16/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/17/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 3/18/2019 | XS Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/19/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|------------------------------------|--------------------|---------------|
| 3/20/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/21/2019 | XS Data analysis and verification. | 11.00 330.00/hr | 3,630.00 |
| 3/22/2019 | XS Data analysis and verification. | 14.00 330.00/hr | 4,620.00 |
| 3/23/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 3/24/2019 | XS Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/25/2019 | XS Data analysis and verification. | 15.00 330.00/hr | 4,950.00 |
| 3/27/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 3/28/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 3/29/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| SUBTOTAL: | | [274.50 | 90,585.00] |
| <u>Starr, Martha</u> | | | |
| 3/11/2019 | MS Econometric analysis. | 2.00 500.00/hr | 1,000.00 |
| 3/13/2019 | MS Research. | 3.00 500.00/hr | 1,500.00 |
| 3/14/2019 | MS Research. | 0.50 500.00/hr | 250.00 |
| 3/17/2019 | MS Econometric analysis. | 6.00 500.00/hr | 3,000.00 |
| 3/18/2019 | MS Econometric analysis. | 5.00 500.00/hr | 2,500.00 |
| 3/19/2019 | MS Econometric analysis. | 5.00 500.00/hr | 2,500.00 |
| 3/20/2019 | MS Econometric analysis. | 3.00 500.00/hr | 1,500.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------|---|--------------------|---------------|
| 3/24/2019 | MS Work on report. | 10.00 500.00/hr | 5,000.00 |
| 3/25/2019 | MS Work on report. | 14.00 500.00/hr | 7,000.00 |
| SUBTOTAL: | | [48.50 | 24,250.00] |
| <u>Tolmie, S.</u> | | | |
| 3/1/2019 | ST Data analysis; preparation of materials for report; review discovery. | 6.00 195.00/hr | 1,170.00 |
| 3/4/2019 | ST Data analysis; preparation of materials for report; review discovery; discussions. | 7.50 195.00/hr | 1,462.50 |
| 3/5/2019 | ST Preparation of discovery materials; review discovery. | 11.50 195.00/hr | 2,242.50 |
| 3/6/2019 | ST Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/7/2019 | ST Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/8/2019 | ST Preparation of discovery materials; review discovery; literature review. | 6.50 195.00/hr | 1,267.50 |
| 3/11/2019 | ST Preparation of discovery materials; review discovery; literature review. | 7.00 195.00/hr | 1,365.00 |
| 3/12/2019 | ST Preparation of discovery materials; review discovery; literature review. | 9.50 195.00/hr | 1,852.50 |
| 3/13/2019 | ST Data analysis; preparation of materials for report; review discovery. | 9.50 195.00/hr | 1,852.50 |
| 3/14/2019 | ST Data analysis; review materials. | 10.50 195.00/hr | 2,047.50 |
| 3/15/2019 | ST Data analysis; work on report. | 11.50 195.00/hr | 2,242.50 |
| 3/16/2019 | ST Data analysis; document review. | 4.50 195.00/hr | 877.50 |
| 3/17/2019 | ST Data analysis; document review; cite verification. | 7.00 195.00/hr | 1,365.00 |
| 3/18/2019 | ST Data analysis; document review; cite verification. | 13.50 195.00/hr | 2,632.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|--------------------|---------------|
| 3/19/2019 | ST Data analysis; document review; cite verification. | 11.00 195.00/hr | 2,145.00 |
| 3/20/2019 | ST Data analysis; document review; cite verification. | 9.00 195.00/hr | 1,755.00 |
| 3/21/2019 | ST Data analysis; document review; cite verification. | 10.00 195.00/hr | 1,950.00 |
| 3/22/2019 | ST Data analysis; document review; cite verification. | 9.25 195.00/hr | 1,803.75 |
| 3/23/2019 | ST Data analysis; document review; cite verification. | 10.25 195.00/hr | 1,998.75 |
| 3/24/2019 | ST Preparation of report; cite verification. | 10.75 195.00/hr | 2,096.25 |
| 3/25/2019 | ST Preparation of report; cite verification. | 13.00 195.00/hr | 2,535.00 |
| 3/27/2019 | ST Compiling back up materials for expert. | 2.00 195.00/hr | 390.00 |
| 3/29/2019 | ST Compiling back up materials for expert. | 2.00 195.00/hr | 390.00 |

SUBTOTAL:

[194.75 37,976.25]

For professional services rendered

824.50 \$296,608.75

Additional Charges :

Erickson, Bennett

3/25/2019 Late-night transportation.

10.00

SUBTOTAL:

[10.00]

McCluer, Forrest2/1/2019-Trip to Boston for meeting; Airfare (\$341.60); Parking (\$50.00); Taxi (\$30.00,
2/28/2019 \$29.70); Meals (\$17.57, \$17.82). [NOT PREVIOUSLY INVOICED]

486.69

3/1/2019-Weekend and late-night meals (\$17.84 Meal; \$15.02 Meal; \$36.14 Meal with
3/31/2019 S. Tolmie; \$18.01 Meal; \$40.48 Meal with S. Tolmie).

127.49

SUBTOTAL:

[614.18]

Joseph Rice

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| | <u>Amount</u> |
|--|---------------|
| <u>Starr, Martha</u> | |
| 3/24/2019 Publication purchase for Rosenthal report. | 24.00 |
| Publication purchase for Rosenthal report. | 35.95 |
| Publication purchase for Rosenthal report. | 30.80 |
| Publication purchase for Rosenthal report. | 49.00 |
| Publication purchase for Rosenthal report. | 62.54 |
| Publication purchase for Rosenthal report. | 45.00 |
| Publication purchase for Rosenthal report. | 31.80 |
| Publication purchase for Rosenthal report. | 35.95 |
| SUBTOTAL: | [315.04] |
| <u>Tolmie, S.</u> | |
| 3/5/2019 Late-night meal. | 14.06 |
| Late-night transportation. | 5.37 |
| 3/12/2019 Late-night meal. | 10.22 |
| 3/13/2019 Late-night meal. | 10.86 |
| 3/15/2019 Late-night transportation. | 5.19 |
| 3/16/2019 Weekend meal. | 13.61 |
| 3/17/2019 Weekend transportation. | 5.19 |
| Weekend meal. | 12.65 |
| 3/18/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 28.22 |
| 3/19/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 36.14 |
| 3/20/2019 Late-night transportation. | 7.42 |
| Late-night meal. | 12.65 |

Joseph Rice

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| | <u>Amount</u> |
|--------------------------------------|--------------------|
| 3/21/2019 Late-night meal. | 14.03 |
| 3/23/2019 Weekend transportation. | 10.60 |
| 3/24/2019 Weekend transportation. | 7.42 |
| Weekend meal. | 7.14 |
| 3/25/2019 Late-night transportation. | 7.42 |
| Late-night meals. | 13.20 |
| SUBTOTAL: | [236.23] |
| Total costs | \$1,175.45 |
| Total amount of this bill | \$297,784.20 |
| Previous balance | \$782,358.02 |
| Balance due | \$1,080,142.22 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

July 24, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19609

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|---------------|
| <u>Augusteijn, M.</u> | | |
| 5/1/2019 MA Rosenthal deposition preparation. | 0.50 500.00/hr | 250.00 |
| SUBTOTAL: | [0.50 | 250.00] |
| <u>Christopher, William</u> | | |
| 5/16/2019 WC Review defendants' reports. | 2.00 195.00/hr | 390.00 |
| 5/17/2019 WC Review defendants' reports. | 3.50 195.00/hr | 682.50 |
| SUBTOTAL: | [5.50 | 1,072.50] |
| <u>Erickson, Bennett</u> | | |
| 5/6/2019 BE Data analysis. | 0.25 390.00/hr | 97.50 |
| SUBTOTAL: | [0.25 | 97.50] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|-------------------------|--|--------------------|---------------|
| | <u>Farid, Monica</u> | | | |
| 5/1/2019 | MF | Review materials for M. Rosenthal in preparation of deposition. | 6.00 300.00/hr | 1,800.00 |
| | SUBTOTAL: | | [6.00 | 1,800.00] |
| | <u>Hebert, Brian</u> | | | |
| 5/22/2019 | BH | Data analysis. | 0.50 390.00/hr | 195.00 |
| | SUBTOTAL: | | [0.50 | 195.00] |
| | <u>Honan, Sarah</u> | | | |
| 5/13/2019 | SH | Review defendants' reports; analyze backup materials and code provided. | 2.00 235.00/hr | 470.00 |
| 5/17/2019 | SH | Review defendants' reports; analyze backup materials and code provided. | 5.50 235.00/hr | 1,292.50 |
| 5/19/2019 | SH | Xponent data analysis re defense experts. | 0.25 235.00/hr | 58.75 |
| 5/20/2019 | SH | Xponent analysis. | 5.25 235.00/hr | 1,233.75 |
| 5/21/2019 | SH | Xponent analysis. | 2.25 235.00/hr | 528.75 |
| | SUBTOTAL: | | [15.25 | 3,583.75] |
| | <u>McCluer, Forrest</u> | | | |
| 5/1/2019 | FM | Reviewed report for errata. | 5.75 500.00/hr | 2,875.00 |
| 5/2/2019 | FM | Finalize errata. Call with M. Rosenthal. | 4.50 500.00/hr | 2,250.00 |
| 5/3/2019 | FM | Prepared potential questions for M. Rosenthal. Spot checked calculations. | 3.50 500.00/hr | 1,750.00 |
| 5/4/2019 | FM | Listened to Rosenthal deposition and took notes. Reviewed report as well as underlying data and support documents. | 11.00 500.00/hr | 5,500.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|--------------------|---------------|
| 5/5/2019 FM | Listened in on Rosenthal deposition. | 6.50 500.00/hr | 3,250.00 |
| 5/11/2019 FM | Download defense expert reports and data. | 4.00 500.00/hr | 2,000.00 |
| 5/12/2019 FM | Review and summarize defense expert back up data. | 3.75 500.00/hr | 1,875.00 |
| 5/13/2019 FM | Review defense expert reports. Identify staff tasks for rebuttal. | 5.75 500.00/hr | 2,875.00 |
| 5/14/2019 FM | Reviewed defendant expert reports. | 8.25 500.00/hr | 4,125.00 |
| 5/15/2019 FM | Conference call with M. Rosenthal. Organized topics to address. | 10.50 500.00/hr | 5,250.00 |
| 5/17/2019 FM | Researched scripting methods to access and replicate defendants' production. Supervised the compilation of topic notes by expert. | 7.75 500.00/hr | 3,875.00 |
| 5/18/2019 FM | Worked on defense expert data, scripts and programs. | 7.00 500.00/hr | 3,500.00 |
| 5/19/2019 FM | Reviewed defendants' reports, data and programs. Prepared outline of replies. | 7.00 500.00/hr | 3,500.00 |
| 5/20/2019 FM | Prepared outline of topics for M. Rosenthal reply to defense experts. Worked with staff to replicate selected analyses conducted by defense experts. | 10.75 500.00/hr | 5,375.00 |
| 5/21/2019 FM | Worked through defendants' expert empirical analyses. | 8.75 500.00/hr | 4,375.00 |
| 5/22/2019 FM | Worked on defendants' data, programs and analysis. | 14.75 500.00/hr | 7,375.00 |
| 5/23/2019 FM | Conference call, review defendants' reports, data, and programs. | 11.00 500.00/hr | 5,500.00 |
| 5/24/2019 FM | Reviewed defendants' expert empirical analyses. Reviewed and summarized defendants' expert reports. Identified analyses to replicate and rebut. | 7.75 500.00/hr | 3,875.00 |
| 5/26/2019 FM | Reviewed defendants' reports. Outlined topics of interest. | 4.50 500.00/hr | 2,250.00 |
| 5/27/2019 FM | Reviewed defendants' reports. | 8.00 500.00/hr | 4,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|--|--------------------|---------------|
| 5/29/2019 | FM Work on defendants' reports and analysis. | 2.50 500.00/hr | 1,250.00 |
| 5/30/2019 | FM Review and summarize empirical work. Discussions with M. Rosenthal and R. Rushnawitz. | 10.25 500.00/hr | 5,125.00 |
| 5/31/2019 | FM Review notes and defendants' analyses. Prepared task list and assignments. | 3.00 500.00/hr | 1,500.00 |
| SUBTOTAL: | | [166.50 | 83,250.00] |
| <u>Owens, Tobie</u> | | | |
| 5/23/2019 | TO Preparation of materials for meeting with counsel. | 1.00 125.00/hr | 125.00 |
| SUBTOTAL: | | [1.00 | 125.00] |
| <u>Rushnawitz, R.</u> | | | |
| 5/3/2019 | RR Research for F. McCluer. | 0.13 575.00/hr | 71.88 |
| 5/7/2019 | RR Call with counsel. | 0.25 575.00/hr | 143.75 |
| 5/12/2019 | RR Review materials; data. | 0.50 575.00/hr | 287.50 |
| 5/13/2019 | RR Preparation of materials for M. Rosenthal; discussions; review defendants' reports. | 2.50 575.00/hr | 1,437.50 |
| 5/14/2019 | RR Review materials; discussions. | 1.50 575.00/hr | 862.50 |
| 5/15/2019 | RR Call with team. | 0.50 575.00/hr | 287.50 |
| 5/20/2019 | RR Discussions; follow up. | 0.75 575.00/hr | 431.25 |
| 5/23/2019 | RR Call with counsel and experts re rebuttal plans. | 3.25 575.00/hr | 1,868.75 |
| 5/30/2019 | RR Call with counsel; meeting with M. Rosenthal and F. McCluer. | 2.63 575.00/hr | 1,509.38 |
| SUBTOTAL: | | [12.01 | 6,900.01] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|-----------------|---|--------------------|---------------|
| | <u>Sha, Xin</u> | | | |
| 5/1/2019 | XS | Verify backup for errata. | 1.00 330.00/hr | 330.00 |
| 5/2/2019 | XS | Verify backup for errata. | 3.00 330.00/hr | 990.00 |
| 5/13/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 9.00 330.00/hr | 2,970.00 |
| 5/14/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 9.00 330.00/hr | 2,970.00 |
| 5/15/2019 | XS | Reviewed defendants' materials; inventory table by types of programs written by defendants. | 5.00 330.00/hr | 1,650.00 |
| 5/16/2019 | XS | Checking R programs written by defendants. | 10.00 330.00/hr | 3,300.00 |
| 5/17/2019 | XS | Checking R programs written by defendants; inventory of data types produced. | 7.00 330.00/hr | 2,310.00 |
| 5/20/2019 | XS | Worked on Xponent analysis; work on inventory tables. | 5.00 330.00/hr | 1,650.00 |
| 5/21/2019 | XS | Worked on Xponent analysis; work on inventory tables. | 3.75 330.00/hr | 1,237.50 |
| 5/22/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/23/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/24/2019 | XS | Work on replicating defendants' programs and results. | 9.50 330.00/hr | 3,135.00 |
| 5/28/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/29/2019 | XS | Work on replicating defendants' programs and results. | 7.00 330.00/hr | 2,310.00 |
| 5/30/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| 5/31/2019 | XS | Work on replicating defendants' programs and results. | 8.00 330.00/hr | 2,640.00 |
| SUBTOTAL: | | | [109.25 | 36,052.50] |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|---|-------------------|---------------|
| <u>Starr, Martha</u> | | | |
| 5/1/2019 | MS Review materials for errata and deposition preparation. | 6.00 500.00/hr | 3,000.00 |
| 5/2/2019 | MS Review materials for errata and deposition preparation. | 3.00 500.00/hr | 1,500.00 |
| 5/4/2019 | MS Call in to Rosenthal deposition; follow up. | 4.00 500.00/hr | 2,000.00 |
| 5/5/2019 | MS Call in to Rosenthal deposition; follow up. | 5.00 500.00/hr | 2,500.00 |
| 5/13/2019 | MS Review and comment on Kyle report. | 3.00 500.00/hr | 1,500.00 |
| 5/15/2019 | MS Comment on Cockburn report. | 2.25 500.00/hr | 1,125.00 |
| 5/17/2019 | MS Review and comment on Kyle and other experts reports. | 4.00 500.00/hr | 2,000.00 |
| 5/23/2019 | MS Research for response to defendants' reports. | 2.00 500.00/hr | 1,000.00 |
| 5/26/2019 | MS Preparation of materials with M. Rosenthal re respnse. | 1.25 500.00/hr | 625.00 |
| SUBTOTAL: | | [30.50 | 15,250.00] |
| <u>Stone, Sarah</u> | | | |
| 5/13/2019 | SS Review and summarize defendants' reports. | 3.00 195.00/hr | 585.00 |
| 5/14/2019 | SS Reviewed arguments in defendants' expert reports and summarized points for F. McCluer. | 6.00 195.00/hr | 1,170.00 |
| 5/15/2019 | SS Review defendants' reports for cites re promotion and depreciation rates. | 4.75 195.00/hr | 926.25 |
| 5/16/2019 | SS Review defendants' reports and summarize; identify cites re promotion. | 6.00 195.00/hr | 1,170.00 |
| 5/17/2019 | SS Review defendants' reports and identify materials for review. | 5.00 195.00/hr | 975.00 |
| SUBTOTAL: | | [24.75 | 4,826.25] |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|---|--------------------|---------------|
| | <u>Tolmie, S.</u> | | |
| 5/1/2019 | ST Assist with preparation for Rosenthal deposition. | 12.00 195.00/hr | 2,340.00 |
| 5/2/2019 | ST Assist with preparation for Rosenthal deposition. | 7.00 195.00/hr | 1,365.00 |
| 5/3/2019 | ST Assist with preparation for Rosenthal deposition. | 4.00 195.00/hr | 780.00 |
| 5/14/2019 | ST Download and inventory defendants' experts reports. | 5.00 195.00/hr | 975.00 |
| 5/15/2019 | ST Inventory defendants' experts reports; run defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/16/2019 | ST Inventory defendants' experts reports; run defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/17/2019 | ST Inventory defendants' experts reports. | 7.00 195.00/hr | 1,365.00 |
| 5/20/2019 | ST Inventory defendants' experts reports; run and research defendants' code. | 6.00 195.00/hr | 1,170.00 |
| 5/21/2019 | ST Writing code to recreate defendants' produced exhibits and empirical work. | 7.00 195.00/hr | 1,365.00 |
| 5/22/2019 | ST Writing code to recreate defendants' produced exhibits and empirical work. | 6.00 195.00/hr | 1,170.00 |
| 5/23/2019 | ST Writing code to recreate defendants' produced exhibits and empirical work. | 7.00 195.00/hr | 1,365.00 |
| 5/29/2019 | ST Reviewing defendants' expert reports for causal claims. | 4.50 195.00/hr | 877.50 |
| 5/30/2019 | ST Summarizing defendants' expert empirical work. | 8.00 195.00/hr | 1,560.00 |
| 5/31/2019 | ST Review defendants' reports; research discovery. | 6.00 195.00/hr | 1,170.00 |
| SUBTOTAL: | | [91.50 | 17,842.50] |
| For professional services rendered | | 463.51 | \$171,245.01 |

Joseph Rice

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Additional Charges :

| | <u>Amount</u> |
|--|----------------|
| <u>McCluer, Forrest</u> | |
| 5/31/2019 Travel for meetings with M. Rosenthal, and staff, Hotel (\$1,407.90); Meals (\$79.25). | 1,487.15 |
| SUBTOTAL: | [1,487.15] |
| <u>Rushnawitz, R.</u> | |
| 5/22/2019 Publication: Aggregation and the Endogeneity Problem. | 43.00 |
| SUBTOTAL: | [43.00] |
| <u>Starr, Martha</u> | |
| 5/17/2019 Article referred to in Margaret Kyle's report. Qi, Shi. "The impact of advertising regulation on industry: The cigarette advertising ban of 1971." The RAND Journal of Economics 44.2 (2013): 215-248. | 42.00 |
| SUBTOTAL: | [42.00] |
| Total costs | \$1,572.15 |
| Total amount of this bill | \$172,817.16 |
| Previous balance | \$425,087.84 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | (\$127,303.64) |
| Total payments and adjustments | (\$127,303.64) |
| Balance due | \$470,601.36 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

July 24, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19607

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|--------------------|--------------------|
| <u>* Rosenthal, M.</u> | | |
| 5/1/2019-MR Deposition. | 18.50 | 16,650.00 |
| 5/31/2019 | 900.00/hr | |
| MR Preparation for deposition; review materials; work on reply; discussions. | 26.75 825.00/hr | 22,068.75 |
| SUBTOTAL: | [45.25 | 38,718.75] |
| For professional services rendered | 45.25 | \$38,718.75 |
| Previous balance | | \$58,575.00 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | | (\$19,387.50) |
| Total payments and adjustments | | (\$19,387.50) |
| Balance due | | <u>\$77,906.25</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joe Rice
 Motley Rice

July 24, 2019

In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]

Invoice #: 19608

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|---------------|
| <u>Farid, Monica</u> | | |
| 5/29/2019 MF Work on rebuttal. | 7.00 300.00/hr | 2,100.00 |
| SUBTOTAL: | [7.00 | 2,100.00] |
| <u>Rushnawitz, R.</u> | | |
| 5/31/2019 RR Draft reply. | 3.50 575.00/hr | 2,012.50 |
| SUBTOTAL: | [3.50 | 2,012.50] |
| For professional services rendered | 10.50 | \$4,112.50 |
| Previous balance | | \$109,140.51 |
| 6/12/2019 Payment - Thank You.. Check No. 20797 | | (\$9,296.25) |
| Total payments and adjustments | | (\$9,296.25) |
| Balance due | | \$103,956.76 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joe Rice
 Motley Rice

April 14, 2019

In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]

Invoice #: 19442

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|--------------------|---------------|
| <u>Christopher, William</u> | | | |
| 3/23/2019 | WC Cite verification; backup materials. | 8.00 195.00/hr | 1,560.00 |
| 3/24/2019 | WC Cite verification; backup materials. | 12.00 195.00/hr | 2,340.00 |
| SUBTOTAL: | | [20.00 | 3,900.00] |
| <u>Erickson, Bennett</u> | | | |
| 3/13/2019 | BE Preparation of backup materials. | 2.25 390.00/hr | 877.50 |
| 3/19/2019 | BE Preparation of backup materials. | 1.50 390.00/hr | 585.00 |
| 3/20/2019 | BE Preparation of backup materials; report verification. | 4.75 390.00/hr | 1,852.50 |
| 3/25/2019 | BE Preparation of backup materials; report verification. | 7.00 390.00/hr | 2,730.00 |
| SUBTOTAL: | | [15.50 | 6,045.00] |

Joe Rice

Page 2

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|--------------------|---------------|
| <u>Farid, Monica</u> | | | |
| 3/20/2019 MF | Cite and analysis verification. | 8.00 300.00/hr | 2,400.00 |
| 3/21/2019 MF | Cite and analysis verification. | 6.00 300.00/hr | 1,800.00 |
| 3/22/2019 MF | Cite and analysis verification. | 3.00 300.00/hr | 900.00 |
| SUBTOTAL: | | [17.00 | 5,100.00] |
| <u>Garcia Mosqueira, A.</u> | | | |
| 3/1/2019 AGM | Valuation analysis. | 2.50 300.00/hr | 750.00 |
| 3/2/2019 AGM | Valuation analysis. | 2.00 300.00/hr | 600.00 |
| 3/7/2019 AGM | Valuation analysis. | 4.00 300.00/hr | 1,200.00 |
| 3/15/2019 AGM | Valuation analysis; verification. | 5.00 300.00/hr | 1,500.00 |
| 3/18/2019 AGM | Valuation analysis; verification. | 4.00 300.00/hr | 1,200.00 |
| 3/22/2019 AGM | Valuation analysis; verification. | 4.50 300.00/hr | 1,350.00 |
| 3/24/2019 AGM | Valuation analysis; verification. | 2.00 300.00/hr | 600.00 |
| SUBTOTAL: | | [24.00 | 7,200.00] |
| <u>Hatfield, Laura</u> | | | |
| 3/1/2019-LH 3/31/2019 | Review materials for and work with T. McGuire. | 10.00 500.00/hr | 5,000.00 |
| SUBTOTAL: | | [10.00 | 5,000.00] |
| <u>Kreider, Amanda</u> | | | |
| 3/1/2019 AK | Work on neglect. | 2.75 300.00/hr | 825.00 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|------------------------------------|-------------------|---------------|
| 3/5/2019 | AK Work on neglect. | 0.25 300.00/hr | 75.00 |
| 3/6/2019 | AK Work on neglect, NAS. | 7.75 300.00/hr | 2,325.00 |
| 3/13/2019 | AK Research for T. McGuire. | 1.75 300.00/hr | 525.00 |
| | AK Work on neglect, NAS; research. | 3.50 300.00/hr | 1,050.00 |
| 3/15/2019 | AK Research for T. McGuire. | 3.75 300.00/hr | 1,125.00 |
| 3/20/2019 | AK Work on neglect; OUD; research. | 7.50 300.00/hr | 2,250.00 |
| 3/21/2019 | AK Verification of analysis. | 5.50 300.00/hr | 1,650.00 |
| 3/24/2019 | AK Work on analysis in report. | 4.00 300.00/hr | 1,200.00 |

SUBTOTAL:

[36.75 11,025.00]

Owens, Tobie

| | | | |
|-----------|---|-------------------|--------|
| 3/22/2019 | TO Research and cite verification for McGuire report. | 4.75 125.00/hr | 593.75 |
|-----------|---|-------------------|--------|

SUBTOTAL:

[4.75 593.75]

Rushnawitz, R.

| | | | |
|----------|--|-------------------|----------|
| 3/1/2019 | RR Work on McGuire public nuisance report. | 2.75 575.00/hr | 1,581.25 |
| 3/3/2019 | RR Work on McGuire public nuisance report. | 6.75 575.00/hr | 3,881.25 |
| 3/4/2019 | RR Work on McGuire public nuisance report. | 5.50 575.00/hr | 3,162.50 |
| 3/5/2019 | RR Work on report; discussions. | 4.00 575.00/hr | 2,300.00 |
| 3/6/2019 | RR Work on report. | 2.50 575.00/hr | 1,437.50 |

Joe Rice

Page 4

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--------------------|--------------------|---------------|
| 3/7/2019 | RR Work on report. | 3.25 575.00/hr | 1,868.75 |
| 3/8/2019 | RR Work on report. | 1.25 575.00/hr | 718.75 |
| 3/11/2019 | RR Work on report. | 1.25 575.00/hr | 718.75 |
| 3/12/2019 | RR Work on report. | 3.25 575.00/hr | 1,868.75 |
| 3/13/2019 | RR Work on report. | 5.75 575.00/hr | 3,306.25 |
| 3/14/2019 | RR Work on report. | 1.00 575.00/hr | 575.00 |
| 3/15/2019 | RR Work on report. | 3.00 575.00/hr | 1,725.00 |
| 3/17/2019 | RR Work on report. | 11.25 575.00/hr | 6,468.75 |
| 3/18/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| 3/19/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| 3/20/2019 | RR Work on report. | 8.50 575.00/hr | 4,887.50 |
| 3/21/2019 | RR Work on report. | 10.00 575.00/hr | 5,750.00 |
| 3/22/2019 | RR Work on report. | 8.25 575.00/hr | 4,743.75 |
| 3/24/2019 | RR Work on report. | 12.75 575.00/hr | 7,331.25 |
| 3/25/2019 | RR Work on report. | 5.00 575.00/hr | 2,875.00 |
| SUBTOTAL: | | [106.00 | 60,950.00] |
| For professional services rendered | | 234.00 | \$99,813.75 |

Joe Rice

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Additional Charges :

| | <u>Amount</u> |
|--------------------------------------|----------------------------|
| <u>Christopher, William</u> | |
| 3/24/2019 Late-night transportation. | 21.01 |
| Late-night meal. | 9.50 |
| SUBTOTAL: | [30.51] |
| Total costs | <u>\$30.51</u> |
| Total amount of this bill | <u>\$99,844.26</u> |
| Previous balance | \$81,496.88 |
| Balance due | <u><u>\$181,341.14</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joe Rice
Motley Rice

September 2, 2019

In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]

Invoice #: 19653

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------|---|-------------------|---------------|
| <u>Farid, Monica</u> | | | |
| 6/5/2019 MF | Work on rebuttal. | 4.00 300.00/hr | 1,200.00 |
| 6/6/2019 MF | Work on rebuttal. | 5.00 300.00/hr | 1,500.00 |
| SUBTOTAL: | | [9.00 | 2,700.00] |
| <u>Kreider, Amanda</u> | | | |
| 6/14/2019 AK | Phone call with R. Rushnawitz to discuss reply report for T. McGuire. Wrote section to defend the use of VSL for valuing lives. | 5.50 300.00/hr | 1,650.00 |
| SUBTOTAL: | | [5.50 | 1,650.00] |
| <u>Rushnawitz, R.</u> | | | |
| 6/3/2019 RR | Call with T. McGuire. | 0.13 575.00/hr | 71.88 |
| 6/5/2019 RR | Review defendants' reports. | 1.00 575.00/hr | 575.00 |

Joe Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|----------------------------|
| 6/7/2019 RR Review defendants' reports. | 0.75 575.00/hr | 431.25 |
| 6/12/2019 RR Rebuttal. | 0.25 575.00/hr | 143.75 |
| 6/21/2019 RR Work on rebuttal. | 1.50 575.00/hr | 862.50 |
| SUBTOTAL: | [3.63 | 2,084.38] |
| For professional services rendered | 18.13 | \$6,434.38 |
| Previous balance | | \$103,956.76 |
| Balance due | | <u><u>\$110,391.14</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

September 2, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19652

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-----------------|-----------------|
| <u>* Rosenthal, M.</u> | | |
| 6/1/2019-MR Work on reply; discussions. | 11.00 | 9,075.00 |
| 6/30/2019 | 825.00/hr | |
| SUBTOTAL: | [11.00 | 9,075.00] |
| For professional services rendered | 11.00 | \$9,075.00 |
| Previous balance | | \$77,906.25 |
| Balance due | | \$86,981.25 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

September 2, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19651

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|--------------------|---------------|
| | <u>*Baum, Christopher</u> | | |
| 6/1/2019-CFB | Discussions re Rosenthal report; review materials. | 4.75 | 3,087.50 |
| 6/30/2019 | | 650.00/hr | |
| | SUBTOTAL: | [4.75 | 3,087.50] |
| | <u>*McCluer, Forrest</u> | | |
| 6/2/2019 FM | Assist X. Sha in replicating and diagnosing Cockburn Exhibit 1 | 3.25 500.00/hr | 1,625.00 |
| 6/3/2019 FM | Reviewed data produced by Cockburn. | 10.50 500.00/hr | 5,250.00 |
| 6/4/2019 FM | Replicated Cockburn Exhibit 1. Spoke with S. Tolmie about ongoing tasks and analyses. | 5.75 500.00/hr | 2,875.00 |
| 6/5/2019 FM | Reviewed Grabowski supplemental report. Prepared memo on Cockburn Exhibit 1 | 1.75 500.00/hr | 875.00 |
| 6/6/2019 FM | Prepared memo on Cockburn exhibit 1. | 0.75 500.00/hr | 376.39 |
| 6/7/2019 FM | Worked on opioids reply topics. | 4.00 500.00/hr | 2,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|-------------------|---------------|
| 6/8/2019 FM | Prepared status report. Reviewed empirical analyses of defendant experts. Edited draft report. | 5.75 500.00/hr | 2,875.00 |
| 6/9/2019 FM | Worked on reply report and related analyses. | 8.25 500.00/hr | 4,125.00 |
| 6/10/2019 FM | Drafted responses on topics for reply to defendants reports. | 8.75 500.00/hr | 4,375.00 |
| 6/11/2019 FM | Drafted responses to defendant criticisms of M. Rosenthal's report. Prepared empirical analyses to rebutt defendant experts' statements. | 9.75 500.00/hr | 4,875.00 |
| 6/12/2019 FM | Prepared responses to defendant expert reports. | 3.50 500.00/hr | 1,750.00 |
| 6/13/2019 FM | Worked with S. Radack and B. Leibe to prepare analyses to support rebuttal arguments on aggregation. | 2.00 500.00/hr | 1,000.00 |
| 6/14/2019 FM | Prepared analyses to rebutt defendant experts critiques. | 6.75 500.00/hr | 3,375.00 |
| 6/15/2019 FM | Review Cockburn data response. Worked on topics for reply and related analyses. | 4.25 500.00/hr | 2,125.00 |
| 6/16/2019 FM | Evaluated Cockburn exhibit 1. | 5.75 500.00/hr | 2,875.00 |
| 6/17/2019 FM | Prepared analysis to respond to Kyle. Worked with S. Radack on price indexes. | 9.50 500.00/hr | 4,750.00 |
| 6/18/2019 FM | Drafted responses to defendant expert criticisms. Supervised analyses by S. Radack. | 3.50 500.00/hr | 1,750.00 |
| 6/19/2019 FM | Reviewed Cockburn analyses. | 5.50 500.00/hr | 2,750.00 |
| 6/20/2019 FM | Edited draft of responses to defendant arguments. Extended response to Cockburn's Exhibit 1. | 3.00 500.00/hr | 1,500.00 |
| 6/21/2019 FM | Worked on empirical critiques of defendant expert analyses. Edited responses to topics raised by defendant experts. | 2.00 500.00/hr | 1,000.00 |
| 6/24/2019 FM | Worked with S. Radack and S. Tolmie on rebuttal analyses. | 1.00 500.00/hr | 500.00 |
| 6/25/2019 FM | Reviewed and drafted responses to issues raised by opposing economic experts. | 7.00 500.00/hr | 3,500.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|-------------------|---------------|
| 6/26/2019 | FM Reviewed defendant empirical analyses and drafted responses. Worked with S. Tolmie and S. Radack. | 4.75 500.00/hr | 2,375.00 |
| 6/27/2019 | FM Prepared for call with M. Rosenthal. | 9.00 500.00/hr | 4,500.00 |
| 6/28/2019 | FM Worked with B. Leibe and S. Radack on topics to rebutt defense expert economists. Prepared write ups for reply report. | 8.00 500.00/hr | 4,000.00 |
| 6/29/2019 | FM Draft reply report for M. Rosenthal. Worked with M. Kovach. | 9.25 500.00/hr | 4,625.00 |
| 6/30/2019 | FM Drafted response to defendant expert reports, conducted analysis to support reply | 8.50 500.00/hr | 4,250.00 |
| SUBTOTAL: | | [151.75 | 75,876.39] |
| <u>Augusteijn, M.</u> | | | |
| 6/3/2019 | MA IQVIA inquiry. | 0.50 500.00/hr | 250.00 |
| SUBTOTAL: | | [0.50 | 250.00] |
| <u>Hebert, Brian</u> | | | |
| 6/11/2019 | BH Using GIS to find fips codes for zip codes without them, per F. McCluer request. | 2.50 390.00/hr | 975.00 |
| 6/17/2019 | BH Getting access to FTI Redshift instance re-initiated, per F. McCluer. | 2.00 390.00/hr | 780.00 |
| 6/18/2019 | BH Getting access to FTI Redshift instance re-initiated, per F. McCluer. | 1.00 390.00/hr | 390.00 |
| SUBTOTAL: | | [5.50 | 2,145.00] |
| <u>Kovach, Martin</u> | | | |
| 6/26/2019 | MK Respond to defendants' arguments on endogeneity and omitted variables; search production record for relevant documents on formularies; search managed care journals for articles written by defendants | 6.75 450.00/hr | 3,037.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|--|-------------------|---------------|
| 6/27/2019 MK | Respond to defendants' arguments on endogeneity and omitted variables; search production record for relevant documents on formularies; draft response to defendants' arguments | 6.25 450.00/hr | 2,812.50 |
| 6/28/2019 MK | Respond to defendants' arguments on endogeneity and omitted variables; search production record for relevant documents on formularies; draft response to defendants' arguments | 5.75 450.00/hr | 2,587.50 |
| 6/29/2019 MK | Read defendants' Daubert brief against Rosenthal, summarize the arguments, and draft responses to each argument | 6.00 450.00/hr | 2,700.00 |
| 6/30/2019 MK | Prioritize points made by defendants in their Daubert brief, and revise responses to defendants; review and comment on draft Rosenthal rebuttal report | 3.00 450.00/hr | 1,350.00 |
| SUBTOTAL: | | [27.75 | 12,487.50] |
| <u>Leibe, Bronwen</u> | | | |
| 6/7/2019 BL | Categorized defense experts rebuttal of omitted variables in Rosenthal's report. | 6.50 150.00/hr | 975.00 |
| 6/10/2019 BL | Categorized defense statements to correspond to/make rebuttal. | 5.50 150.00/hr | 825.00 |
| 6/11/2019 BL | Create tables in SAS for rebuttal argument. | 3.58 150.00/hr | 537.50 |
| 6/12/2019 BL | Create tables in SAS for rebuttal argument. | 8.00 150.00/hr | 1,200.00 |
| 6/13/2019 BL | Create tables for rebuttal argument. | 8.00 150.00/hr | 1,200.00 |
| 6/14/2019 BL | Create tables in SAS for rebuttal argument. | 7.50 150.00/hr | 1,125.00 |
| 6/18/2019 BL | Researched and identified academic papers co authored by defendant experts to help develop a rebuttal argument. | 5.00 150.00/hr | 750.00 |
| 6/19/2019 BL | Researched and identified academic papers co authored by defendant experts to help develop a rebuttal argument | 8.00 150.00/hr | 1,200.00 |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|----|--|-------------------|---------------|
| 6/26/2019 | BL | Research on defense experts arguments about insurance coverage, prescription drug prices, and physician behavior for rebuttal report. | 7.00 150.00/hr | 1,050.00 |
| 6/27/2019 | BL | Research on influence of insurance on prescriptions/prescribing behavior, Medicare/Medicaid expenditures & changes to combat defense experts claims. | 3.75 150.00/hr | 562.50 |
| 6/28/2019 | BL | Recreated data in SAS for rebuttal report. | 9.50 150.00/hr | 1,425.00 |
| SUBTOTAL: | | | [72.33 | 10,850.00] |
| <u>Radack, Samuel</u> | | | | |
| 6/7/2019 | SR | Went through expert reports and extracted quotes and examples about omitted variables. | 6.50 150.00/hr | 975.00 |
| 6/10/2019 | SR | Categorized, and decided validity of omitted variables. Summarized each of the omitted variables that were not dismissed as invalid. | 8.75 150.00/hr | 1,312.50 |
| 6/11/2019 | SR | Worked on creating a SAS table to identify the amount of generic and brand drugs sold by month. | 5.50 150.00/hr | 825.00 |
| 6/12/2019 | SR | Used SAS to create figures for the amount of generic and brand drugs purchased by month. | 8.50 150.00/hr | 1,275.00 |
| 6/13/2019 | SR | Used SAS to graph drugs sales by specific manufacturers overtime. | 8.50 150.00/hr | 1,275.00 |
| 6/14/2019 | SR | Used SAS to find the effect of the entrance of generics on brand drugs. | 8.00 150.00/hr | 1,200.00 |
| 6/17/2019 | SR | Used SAS to defend Dr. Rosenthal's price index. | 6.00 150.00/hr | 900.00 |
| 6/18/2019 | SR | Worked on calculating the difference between Dr. Keller and Dr. Rosenthal's MME measurements. | 2.50 150.00/hr | 375.00 |
| 6/19/2019 | SR | Made tables and graphs to compare the difference in MME data between Kyle and Rosenthal. | 4.50 150.00/hr | 675.00 |
| 6/20/2019 | SR | Worked with NDA and authorized generic data from the FDA. | 4.75 150.00/hr | 712.50 |
| 6/21/2019 | SR | Worked with data on Class 2 opioids, and data on contacts per manufacturer. | 6.50 150.00/hr | 975.00 |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|---|-------------------|---------------|
| 6/24/2019 | SR | Began going through Cockburn's R code to see where he deleted duplicates. | 2.75 150.00/hr | 412.50 |
| 6/25/2019 | SR | Went through Cockburn's R code, attempting to understand his data manipulation. | 1.00 150.00/hr | 150.00 |
| 6/26/2019 | SR | Recreated Cockburn's code in R to see how he manipulates data. | 6.00 150.00/hr | 900.00 |
| 6/27/2019 | SR | Continued going through recreating Cockburn's R code. | 8.50 150.00/hr | 1,275.00 |
| 6/28/2019 | SR | Worked on figuring out Cockburn's deduplication. Did data estimation for MMEs in SAS. | 9.00 150.00/hr | 1,350.00 |

SUBTOTAL:

[97.25 14,587.50]

Rushnawitz, R.

| | | | | |
|-----------|----|----------------------|-------------------|-------|
| 6/3/2019 | RR | Call with Dr. Glied. | 0.13 575.00/hr | 71.88 |
| 6/17/2019 | RR | Call with Dr. Glied. | 0.13 575.00/hr | 71.88 |

SUBTOTAL:

[0.26 143.76]

Sha, Xin

| | | | | |
|----------|----|---|-------------------|----------|
| 6/2/2019 | XS | Replicated an expert's exhibit. Identified the differences and missing values in the exhibit. | 5.00 330.00/hr | 1,650.00 |
| 6/5/2019 | XS | Replicated an expert's exhibit. Identified the differences and missing values in the exhibit. | 2.00 330.00/hr | 660.00 |

SUBTOTAL:

[7.00 2,310.00]

Shields, Morgan

| | | | | |
|-----------|----|--|-------------------|----------|
| 6/24/2019 | MS | Researching for appropriate use rebuttal response. | 7.50 300.00/hr | 2,250.00 |
| 6/25/2019 | MS | Researching response to appropriate use rebuttal. | 8.75 300.00/hr | 2,625.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|--|-------------------|---------------|
| SUBTOTAL: | | [16.25 | 4,875.00] |
| <u>Starr, Martha</u> | | | |
| 6/21/2019 | MS Provide guidance on how to exclude ADHD drugs from an FDA list of Class II drugs. | 0.33 500.00/hr | 166.67 |
| 6/30/2019 | MS Input on draft section of expert's report related to Daubert motion on instrumental variables | 2.00 500.00/hr | 1,000.00 |
| SUBTOTAL: | | [2.33 | 1,166.67] |
| <u>Tolmie, S.</u> | | | |
| 6/3/2019 | ST Inventory of causality claims made by defendant experts. | 4.50 195.00/hr | 877.50 |
| 6/4/2019 | ST Summarizing defendant expert empirical work for plaintiff expert review. | 7.00 195.00/hr | 1,365.00 |
| 6/5/2019 | ST Reading supplemental and errata documents from defendant experts. Continuing causality analysis. | 8.00 195.00/hr | 1,560.00 |
| 6/6/2019 | ST Updating interns on case. Research for rebuttal analysis. | 4.00 195.00/hr | 780.00 |
| 6/7/2019 | ST Conducting omitted variables analysis. | 5.00 195.00/hr | 975.00 |
| 6/10/2019 | ST Redoing Grabowski's ROI analysis. Conducting research on appropriate uses for rebuttal report. Addressing negative depreciation rate critiques. | 7.00 195.00/hr | 1,365.00 |
| 6/11/2019 | ST Reviewing discovery documents for appropriate uses analysis. Redoing Grabowski's ROI negative depreciation rate analysis. Identifying brand v. generic opioids in data. Research including reading GAO and IMS documentation. | 8.00 195.00/hr | 1,560.00 |
| 6/12/2019 | ST Working on endogeneity graph. Conducting research for rebuttal report. | 7.00 195.00/hr | 1,365.00 |
| 6/13/2019 | ST Coding drugs as either brand or generic for analysis. Research for front group analysis. Reading IQVIA report for rebuttal report. | 6.50 195.00/hr | 1,267.50 |
| 6/14/2019 | ST Conducting actual v. constant MME/TRx analysis for rebuttal report. Continued front groups analysis. | 7.00 195.00/hr | 1,365.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> | |
|-----------|----|---|--------------------|----------|
| 6/17/2019 | ST | Checking discrepancies in Dr. Kyle's drug list and totals. Continuing Dr. Grabowski's ROI analysis redo. | 8.00 195.00/hr | 1,560.00 |
| 6/18/2019 | ST | Mapping data and program path of Dr. Cockburn's supplemental decile analysis. Front group analysis. | 6.50 195.00/hr | 1,267.50 |
| 6/19/2019 | ST | Continuing front groups analysis. | 7.00 195.00/hr | 1,365.00 |
| 6/20/2019 | ST | Importing Xponent data for decile analysis and finishing front group drafting. | 6.00 195.00/hr | 1,170.00 |
| 6/21/2019 | ST | Continuing Cockburn Decile analysis redo. Weighting zip codes by population to match up with fips codes. | 9.50 195.00/hr | 1,852.50 |
| 6/24/2019 | ST | Continuing Cockburn decile analysis redo. Document discovery for rebuttal report. | 10.00 195.00/hr | 1,950.00 |
| 6/25/2019 | ST | Continuing Cockburn decile analysis redo. Researching addiction amd timeline of epidemic for rebuttal report. | 9.00 195.00/hr | 1,755.00 |
| 6/26/2019 | ST | Finihsing Cockburn decile analysis redo. Literature review of time varying coefficients analyses. | 9.00 195.00/hr | 1,755.00 |
| 6/27/2019 | ST | Call with M. Rosenthal. Editing rebuttal report. | 5.00 195.00/hr | 975.00 |
| 6/28/2019 | ST | Work on rebuttal report. | 6.50 195.00/hr | 1,267.50 |

SUBTOTAL:

[140.50 27,397.50]

For professional services rendered

526.17 \$155,176.82

Previous balance

\$470,601.36

Balance due

\$625,778.18

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

May 16, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19507

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| <u>Christopher, William</u> | | | |
| 4/12/2019 | WC Preparation of backup materials for M.Rosenthal. | 6.50 195.00/hr | 1,267.50 |
| SUBTOTAL: | | [6.50 | 1,267.50] |
| <u>Honan, Sarah</u> | | | |
| 4/8/2019 | SH Preparation of materials to turn over from Rosenthal report. | 0.75 235.00/hr | 176.25 |
| 4/9/2019 | SH Preparation of materials to turn over from Rosenthal report. | 3.50 235.00/hr | 822.50 |
| 4/22/2019 | SH [REDACTED] for counsel. | 6.50 235.00/hr | 1,527.50 |
| 4/23/2019 | SH [REDACTED] for counsel. | 6.75 235.00/hr | 1,586.25 |
| 4/24/2019 | SH IQVIA Xponent issues; preparation of materials for M. Rosenthal. | 2.50 235.00/hr | 587.50 |
| SUBTOTAL: | | [20.00 | 4,700.00] |

Joseph Rice

Page 2

| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|---|--------------------|---------------|
| | | <u>Klinsky, K</u> | | |
| 4/8/2019 | KK | Preparation of materials to turn over from Rosenthal report. | 4.25 150.00/hr | 637.50 |
| | | SUBTOTAL: | [4.25 | 637.50] |
| | | <u>Levy, Doug</u> | | |
| 4/1/2019 | DL | Econometrics. | 2.00 475.00/hr | 950.00 |
| 4/2/2019 | DL | Econometrics. | 1.75 475.00/hr | 831.25 |
| 4/3/2019 | DL | Econometrics. | 2.00 475.00/hr | 950.00 |
| 4/4/2019 | DL | Econometrics. | 1.75 475.00/hr | 831.25 |
| | | SUBTOTAL: | [7.50 | 3,562.50] |
| | | <u>McCluer, Forrest</u> | | |
| 4/1/2019 | FM | Addressed data issues and production. | 2.50 500.00/hr | 1,250.00 |
| 4/2/2019 | FM | Work on backup materials re produced code. | 11.00 500.00/hr | 5,500.00 |
| 4/3/2019 | FM | Preparation of documentation; verify analysis. | 6.00 500.00/hr | 3,000.00 |
| 4/4/2019 | FM | Preparation of documentation; verify analysis. | 2.00 500.00/hr | 1,000.00 |
| 4/5/2019 | FM | Preparation of documentation; verify analysis. | 4.50 500.00/hr | 2,250.00 |
| 4/6/2019 | FM | Preparation of documentation; verify analysis. | 6.00 500.00/hr | 3,000.00 |
| 4/7/2019 | FM | Preparation of supplemental production and documentation; call. | 7.00 500.00/hr | 3,500.00 |
| 4/11/2019 | FM | Conference call. | 1.00 500.00/hr | 500.00 |

Joseph Rice

Page 3

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|--------------------|---------------|
| 4/15/2019 FM | Production issues reviewed. | 4.75 500.00/hr | 2,375.00 |
| 4/16/2019 FM | Preparation of documentation; verify analysis. | 8.00 500.00/hr | 4,000.00 |
| 4/17/2019 FM | Address issues related to supplemental production. | 9.00 500.00/hr | 4,500.00 |
| 4/18/2019 FM | Address appropriate use issues. | 13.50 500.00/hr | 6,750.00 |
| 4/19/2019 FM | Reviewed data sources. | 0.75 500.00/hr | 375.00 |
| 4/22/2019 FM | Research data sources; work on Xponent analysis. | 6.50 500.00/hr | 3,250.00 |
| 4/23/2019 FM | Summarize supplemental production; address data issues. | 5.00 500.00/hr | 2,500.00 |
| 4/24/2019 FM | Preparation for deposition review with M. Rosenthal. | 7.00 500.00/hr | 3,500.00 |
| 4/26/2019 FM | Prepared an errata memo. | 0.75 500.00/hr | 375.00 |
| 4/29/2019 FM | Prepared errata memo. | 0.50 500.00/hr | 250.00 |
| 4/30/2019 FM | Reviewed errata. | 1.00 500.00/hr | 500.00 |
| SUBTOTAL: | | [96.75 | 48,375.00] |
| <u>Rushnawitz, R.</u> | | | |
| 4/5/2019 RR | Call with M. Rosenthal, staff. | 0.25 575.00/hr | 143.75 |
| 4/8/2019 RR | Back up materials for Rosenthal. | 1.25 575.00/hr | 718.75 |
| 4/9/2019 RR | Back up materials. | 2.00 575.00/hr | 1,150.00 |
| 4/11/2019 RR | Discussions re experts. | 0.50 575.00/hr | 287.50 |
| 4/12/2019 RR | Discussion with counsel; materials for M. Rosenthal. | 0.75 575.00/hr | 431.25 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------|--|--------------------|---------------|
| 4/14/2019 | RR Materials for M. Rosenthal. | 0.75 575.00/hr | 431.25 |
| SUBTOTAL: | | [5.50 | 3,162.50] |
| <u>Sha, Xin</u> | | | |
| 4/1/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 4/2/2019 | XS Data analysis and verification. | 10.00 330.00/hr | 3,300.00 |
| 4/3/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 4/4/2019 | XS Data analysis and verification. | 13.00 330.00/hr | 4,290.00 |
| 4/5/2019 | XS Data analysis and verification. | 11.00 330.00/hr | 3,630.00 |
| 4/6/2019 | XS Data analysis and verification. | 12.00 330.00/hr | 3,960.00 |
| 4/7/2019 | XS Data analysis and verification; call with counsel, expert and staff. | 5.33 330.00/hr | 1,760.00 |
| 4/10/2019 | XS Output verification; materials for M. Rosenthal deposition preparation. | 5.00 330.00/hr | 1,650.00 |
| 4/11/2019 | XS Output verification; materials for M. Rosenthal deposition preparation. | 9.00 330.00/hr | 2,970.00 |
| 4/12/2019 | XS Output verification; materials for M. Rosenthal deposition preparation. | 9.00 330.00/hr | 2,970.00 |
| 4/15/2019 | XS Address defendants' questions re analysis. | 10.00 330.00/hr | 3,300.00 |
| 4/16/2019 | XS Address defendants' questions re analysis. | 10.00 330.00/hr | 3,300.00 |
| 4/17/2019 | XS Address defendants' questions re analysis. | 12.00 330.00/hr | 3,960.00 |
| 4/18/2019 | XS Address defendants' questions re analysis. | 2.00 330.00/hr | 660.00 |
| 4/19/2019 | XS Address defendants' questions re analysis. | 6.00 330.00/hr | 1,980.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|---|-------------------|---------------|
| 4/24/2019 | XS Materials for M. Rosenthal deposition preparation. | 8.00 330.00/hr | 2,640.00 |
| SUBTOTAL: | | [144.33 | 47,630.00] |
| <u>Starr, Martha</u> | | | |
| 4/16/2019 | MS Data analysis and verification. | 2.00 500.00/hr | 1,000.00 |
| 4/17/2019 | MS Materials for M. Rosenthal deposition preparation. | 8.00 500.00/hr | 4,000.00 |
| 4/18/2019 | MS Materials for M. Rosenthal deposition preparation. | 8.00 500.00/hr | 4,000.00 |
| 4/19/2019 | MS Materials for M. Rosenthal deposition preparation. | 2.00 500.00/hr | 1,000.00 |
| 4/24/2019 | MS Materials for M. Rosenthal deposition preparation; work on errata. | 2.00 500.00/hr | 1,000.00 |
| 4/29/2019 | MS Materials for M. Rosenthal deposition preparation; work on errata. | 2.00 500.00/hr | 1,000.00 |
| 4/30/2019 | MS Materials for M. Rosenthal deposition preparation; work on errata. | 4.00 500.00/hr | 2,000.00 |
| SUBTOTAL: | | [28.00 | 14,000.00] |
| <u>Tolmie, S.</u> | | | |
| 4/15/2019 | ST Data analysis and organization. | 4.00 195.00/hr | 780.00 |
| 4/22/2019 | ST Data verification; production code. | 6.00 195.00/hr | 1,170.00 |
| 4/23/2019 | ST Data sources. | 2.00 195.00/hr | 390.00 |
| 4/29/2019 | ST Work on errata. | 1.00 195.00/hr | 195.00 |
| 4/30/2019 | ST Work on errata. | 1.00 195.00/hr | 195.00 |
| SUBTOTAL: | | [14.00 | 2,730.00] |

Joseph Rice

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| | <u>Hours</u> | <u>Amount</u> |
|---|--------------|----------------------------|
| For professional services rendered | 326.83 | \$126,065.00 |
| Additional Charges : | | |
| <u>McCluer, Forrest</u> | | |
| 4/23/2019 For a meeting in Boston with M. Rosenthal and staff. Flight (\$577.60), Hotel (\$537.36), Meals (\$15.88), Taxi (\$57.80), Parking (\$50.00). | | 1,238.64 |
| SUBTOTAL: | | [1,238.64] |
| Total costs | | \$1,238.64 |
| Total amount of this bill | | \$127,303.64 |
| Previous balance | | \$1,080,142.22 |
| 4/29/2019 Payment - Thank You. | | (\$381,034.14) |
| 5/13/2019 Payment - Thank You. | | (\$401,323.88) |
| Total payments and adjustments | | (\$782,358.02) |
| Balance due | | <u><u>\$425,087.84</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joe Rice
 Motley Rice

May 16, 2019
 In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]
 Invoice #: 19508

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|-------------------|---------------|
| <u>Christopher, William</u> | | | |
| 4/8/2019 | WC Preparation of backup materials for T. McGuire. | 1.00 195.00/hr | 195.00 |
| 4/15/2019 | WC Preparation of backup materials for T. McGuire. | 3.00 195.00/hr | 585.00 |
| 4/16/2019 | WC Preparation of backup materials for T. McGuire. | 3.00 195.00/hr | 585.00 |
| SUBTOTAL: | | [7.00 | 1,365.00] |
| <u>Erickson, Bennett</u> | | | |
| 4/19/2019 | BE Work on errata to McGuire Public Nuisance report. | 0.50 390.00/hr | 195.00 |
| SUBTOTAL: | | [0.50 | 195.00] |
| <u>Farid, Monica</u> | | | |
| 4/12/2019 | MF Research for T. McGuire. | 7.00 300.00/hr | 2,100.00 |
| 4/15/2019 | MF Research for T. McGuire. | 4.00 300.00/hr | 1,200.00 |

Joe Rice

Page 2

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-------------------|-------------------|
| 4/19/2019 MF Research for T. McGuire. | 2.00 300.00/hr | 600.00 |
| SUBTOTAL: | | [13.00 3,900.00] |
| <u>Honan, Sarah</u> | | |
| 4/8/2019 SH Preparation of articles cited in McGuire report. | 0.50 235.00/hr | 117.50 |
| 4/9/2019 SH Preparation of articles cited in McGuire report. | 2.50 235.00/hr | 587.50 |
| SUBTOTAL: | | [3.00 705.00] |
| <u>Klinsky, K</u> | | |
| 4/8/2019 KK Preparation of materials to turn over from McGuire report. | 4.00 150.00/hr | 600.00 |
| SUBTOTAL: | | [4.00 600.00] |
| <u>Owens, Tobie</u> | | |
| 4/12/2019 TO Preparation of backup materials for T. McGuire. | 3.00 125.00/hr | 375.00 |
| SUBTOTAL: | | [3.00 375.00] |
| <u>Rushnawitz, R.</u> | | |
| 4/8/2019 RR Back up materials for McGuire report. | 3.00 575.00/hr | 1,725.00 |
| 4/9/2019 RR Back up materials for McGuire report. | 0.50 575.00/hr | 287.50 |
| 4/18/2019 RR Errata for McGuire PN report. | 0.25 575.00/hr | 143.75 |
| SUBTOTAL: | | [3.75 2,156.25] |
| For professional services rendered | 34.25 | \$9,296.25 |
| Previous balance | | \$181,341.14 |
| 4/29/2019 Payment - Thank You. | | (\$81,496.88) |

Joe Rice

Page 3

| | <u>Amount</u> |
|--------------------------------|----------------------------|
| Total payments and adjustments | <u>(\$81,496.88)</u> |
| Balance due | <u><u>\$109,140.51</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

May 16, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19509

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-----------------|---------------------------|
| <u>* Rosenthal, M.</u> | | |
| 4/1/2019-MR Preparation for deposition. | 23.50 | 19,387.50 |
| 4/30/2019 | 825.00/hr | |
| SUBTOTAL: | [23.50 | 19,387.50] |
| For professional services rendered | 23.50 | <u>\$19,387.50</u> |
| Previous balance | | \$116,918.75 |
| 4/29/2019 Payment - Thank You. | | (\$47,643.75) |
| 5/13/2019 Payment - Thank You. | | (\$19,031.25) |
| 5/13/2019 Payment - Thank You. | | (\$11,056.25) |
| Total payments and adjustments | | (\$77,731.25) |
| Balance due | | <u><u>\$58,575.00</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

April 4, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19428

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|-------------------|---------------|
| | <u>Augusteijn, M.</u> | | |
| 2/4/2019 | MA Discussions in re Xponent data; call with consultants. | 1.00 500.00/hr | 500.00 |
| 2/5/2019 | MA Review of IQVIA summary calculations. | 1.00 500.00/hr | 500.00 |
| 2/7/2019 | MA IQVIA data analysis. | 0.50 500.00/hr | 250.00 |
| 2/8/2019 | MA Discussions in re IQVIA data summaries. | 0.75 500.00/hr | 375.00 |
| 2/13/2019 | MA Review of IQVIA charts for Oxycontin. | 1.25 500.00/hr | 625.00 |
| 2/15/2019 | MA Summary of IMS data. | 1.00 500.00/hr | 500.00 |
| 2/21/2019 | MA Downloading defendant data productions. | 0.50 500.00/hr | 250.00 |
| 2/25/2019 | MA Downloading defendant data. | 0.75 500.00/hr | 375.00 |
| SUBTOTAL: | | [6.75 | 3,375.00] |

Joseph Rice

Page 2

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---------------------------------|-------------------|---------------|
| <u>Christopher, William</u> | | | |
| 2/1/2019 | WC Data analysis. | 1.00 195.00/hr | 195.00 |
| 2/4/2019 | WC Data analysis. | 1.75 195.00/hr | 341.25 |
| 2/20/2019 | WC Data analysis. | 4.00 195.00/hr | 780.00 |
| 2/26/2019 | WC Data analysis. | 1.50 195.00/hr | 292.50 |
| 2/28/2019 | WC Data analysis. | 7.00 195.00/hr | 1,365.00 |
| SUBTOTAL: | | [15.25 | 2,973.75] |
| <u>Erickson, Bennett</u> | | | |
| 2/25/2019 | BE Data analysis. | 0.50 390.00/hr | 195.00 |
| SUBTOTAL: | | [0.50 | 195.00] |
| <u>Fry, Carrie</u> | | | |
| 2/24/2019 | CF Research re under-treatment. | 6.00 300.00/hr | 1,800.00 |
| SUBTOTAL: | | [6.00 | 1,800.00] |
| <u>Honan, Sarah</u> | | | |
| 2/1/2019 | SH Data analysis (Xponent). | 8.50 235.00/hr | 1,997.50 |
| 2/4/2019 | SH Data analysis (Xponent). | 8.75 235.00/hr | 2,056.25 |
| 2/5/2019 | SH Data analysis (Xponent). | 9.25 235.00/hr | 2,173.75 |
| 2/6/2019 | SH Data analysis (Xponent). | 4.50 235.00/hr | 1,057.50 |
| 2/13/2019 | SH Data analysis (Xponent). | 1.00 235.00/hr | 235.00 |

Joseph Rice

Page 3

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|---|--------------------|---------------|
| 2/14/2019 SH | Data analysis (Xponent). | 0.50 235.00/hr | 117.50 |
| 2/20/2019 SH | Data analysis (Xponent). | 0.75 235.00/hr | 176.25 |
| 2/21/2019 SH | Data analysis (Xponent). | 0.75 235.00/hr | 176.25 |
| 2/25/2019 SH | Data analysis (ARCOS, NPA). | 0.25 235.00/hr | 58.75 |
| SUBTOTAL: | | [34.25 | 8,048.75] |
| <u>Levy, Doug</u> | | | |
| 2/1/2019-DL 2/28/2019 | Econometric analysis. | 13.25 475.00/hr | 6,293.75 |
| SUBTOTAL: | | [13.25 | 6,293.75] |
| <u>Logan, Casey</u> | | | |
| 2/25/2019 CL | Data extraction | 3.00 150.00/hr | 450.00 |
| SUBTOTAL: | | [3.00 | 450.00] |
| <u>McCluer, Forrest</u> | | | |
| 2/1/2019 FM | Worked on Xponent data with S. Honan. | 2.75 500.00/hr | 1,375.00 |
| 2/4/2019 FM | Data check. Review Xponent analysis. Rerun regression analyses. | 4.50 500.00/hr | 2,250.00 |
| 2/5/2019 FM | Data check with X. Sha. Discuss analyses with S. Honan and S. Tolmie. | 6.50 500.00/hr | 3,250.00 |
| 2/6/2019 FM | Prepare regression analysis tables for M. Rosenthal. | 2.25 500.00/hr | 1,125.00 |
| 2/7/2019 FM | Supervised preparation of microsimulation of the distribution of oploid dosage and duration for cancer. | 10.00 500.00/hr | 5,000.00 |
| 2/8/2019 FM | Prepare tables for counsel. Data check. Prepare tables and charts for draft report. | 6.00 500.00/hr | 3,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|-------------------|---------------|
| 2/11/2019 FM | Call with M. Rosenthal regarding distributions of appropriate use. | 1.00 500.00/hr | 500.00 |
| 2/12/2019 FM | Data checks. Review report draft. Prepare tables and figures for report. | 4.50 500.00/hr | 2,250.00 |
| 2/13/2019 FM | Reviewed and edited draft report. | 6.25 500.00/hr | 3,125.00 |
| 2/14/2019 FM | Provided data, charts and tables to counsel. Data checked. Reviewed draft report. | 6.00 500.00/hr | 3,000.00 |
| 2/15/2019 FM | Prepared tables for counsel. Data checked. Reviewed and edited report, prepared tables and backup. | 9.00 500.00/hr | 4,500.00 |
| 2/16/2019 FM | Reviewed and edited report draft. Prepared tables, charts, and sensitivity tests. | 3.00 500.00/hr | 1,500.00 |
| 2/17/2019 FM | Reviewed and edited report draft. Prepared tables and materials for attachments. | 3.50 500.00/hr | 1,750.00 |
| 2/18/2019 FM | Reviewed, edited report draft. Prepared tables, charts and backup for report. | 0.75 500.00/hr | 375.00 |
| 2/19/2019 FM | Prepare tables, charts for draft report. Edited draft. Data check results. | 5.50 500.00/hr | 2,750.00 |
| 2/20/2019 FM | Review and edit report draft. Prepare tables and charts for attachments. Prepare technical appendix. | 3.50 500.00/hr | 1,750.00 |
| 2/21/2019 FM | Worked on draft report, and attachments.. Data check. | 9.75 500.00/hr | 4,875.00 |
| 2/22/2019 FM | Review and edit report draft. Update tables and charts. Data check. | 9.25 500.00/hr | 4,625.00 |
| 2/23/2019 FM | Prepared tables and charts for attachments. Conducted sensitivity tests. Discussed data checking with D. Levy. | 2.50 500.00/hr | 1,250.00 |
| 2/24/2019 FM | Prepare tables and charts for report and attachments. Data check with D. Levy. Prepare for production | 7.00 500.00/hr | 3,500.00 |
| 2/25/2019 FM | Prepare tables, charts and updates for draft report. | 6.00 500.00/hr | 3,000.00 |
| 2/26/2019 FM | Meeting. Prepared tables and charts at request of counsel. Developed analyses in response to questions about but-for concepts discussed in meeting. | 8.00 500.00/hr | 4,000.00 |
| 2/28/2019 FM | Prepare sensitivity tests for but-for analysis. | 4.75 500.00/hr | 2,375.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|---|-------------------|---------------|
| SUBTOTAL: | | [122.25 | 61,125.00] |
| <u>Rushnawitz, R.</u> | | | |
| 2/6/2019 | RR Call with counsel; review materials. | 0.50 575.00/hr | 287.50 |
| 2/19/2019 | RR Materials re under-treatment. | 0.13 575.00/hr | 71.88 |
| 2/26/2019 | RR Meeting. | 3.25 575.00/hr | 1,868.75 |
| 2/28/2019 | RR Work on Rosenthal report. | 3.00 575.00/hr | 1,725.00 |
| SUBTOTAL: | | [6.88 | 3,953.13] |
| <u>Sha, Xin</u> | | | |
| 2/4/2019 | XS Data analysis and verification. | 4.50 330.00/hr | 1,485.00 |
| 2/5/2019 | XS Data analysis and verification. | 8.50 330.00/hr | 2,805.00 |
| 2/6/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 2/7/2019 | XS Data analysis and verification. | 8.50 330.00/hr | 2,805.00 |
| 2/8/2019 | XS Data analysis and verification. | 6.00 330.00/hr | 1,980.00 |
| 2/11/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 2/12/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 2/13/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 2/14/2019 | XS Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 2/15/2019 | XS Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---------------------------------|-------------------|---------------|
| 2/20/2019 XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 2/22/2019 XS | Data analysis and verification. | 4.00 330.00/hr | 1,320.00 |
| 2/27/2019 XS | Data analysis and verification. | 6.00 330.00/hr | 1,980.00 |
| 2/28/2019 XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |

SUBTOTAL:

[103.50 34,155.00]

Stone, Sarah

| | | | |
|-------------|----------------|-------------------|----------|
| 2/1/2019 SS | Data analysis. | 8.50 195.00/hr | 1,657.50 |
| 2/4/2019 SS | Data analysis. | 4.00 195.00/hr | 780.00 |
| 2/5/2019 SS | Data analysis. | 2.00 195.00/hr | 390.00 |

SUBTOTAL:

[14.50 2,827.50]

Tolmie, S.

| | | | |
|--------------|-------------------------------------|-------------------|----------|
| 2/1/2019 ST | Data analysis; research for report. | 3.00 195.00/hr | 585.00 |
| 2/2/2019 ST | Data analysis; research for report. | 2.00 195.00/hr | 390.00 |
| 2/4/2019 ST | Data analysis; research for report. | 3.00 195.00/hr | 585.00 |
| 2/5/2019 ST | Data analysis; research for report. | 6.75 195.00/hr | 1,316.25 |
| 2/6/2019 ST | Data analysis; research for report. | 6.50 195.00/hr | 1,267.50 |
| 2/7/2019 ST | Data analysis; research for report. | 9.50 195.00/hr | 1,852.50 |
| 2/11/2019 ST | Data analysis; research for report. | 4.50 195.00/hr | 877.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--|-------------------|---------------|
| 2/12/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 2/13/2019 | ST Data analysis; research for report. | 6.50 195.00/hr | 1,267.50 |
| 2/14/2019 | ST Data analysis; research for report. | 5.00 195.00/hr | 975.00 |
| 2/15/2019 | ST Data analysis; research for report. | 1.50 195.00/hr | 292.50 |
| 2/17/2019 | ST Data analysis; research for report. | 5.00 195.00/hr | 975.00 |
| 2/19/2019 | ST Data analysis; research for report. | 7.50 195.00/hr | 1,462.50 |
| 2/20/2019 | ST Data analysis; research for report. | 3.00 195.00/hr | 585.00 |
| 2/21/2019 | ST Data analysis; research for report. | 7.00 195.00/hr | 1,365.00 |
| 2/22/2019 | ST Data analysis; research for report. | 3.75 195.00/hr | 731.25 |
| 2/25/2019 | ST Data analysis; research for report. | 8.00 195.00/hr | 1,560.00 |
| 2/26/2019 | ST Data analysis; research for report. | 7.00 195.00/hr | 1,365.00 |
| 2/27/2019 | ST Data analysis; research for report. | 3.00 195.00/hr | 585.00 |
| 2/28/2019 | ST Data analysis; research for report. | 6.50 195.00/hr | 1,267.50 |
| SUBTOTAL: | | [105.00 | 20,475.00] |
| For professional services rendered | | 431.13 | \$145,671.88 |

Joseph Rice

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Additional Charges :

| | <u>Amount</u> |
|---------------------------|----------------------------|
| <u>Toimie, S.</u> | |
| 2/7/2019 Late-night meal. | 12.09 |
| SUBTOTAL: | [12.09] |
| Total costs | \$12.09 |
| Total amount of this bill | <u>\$145,683.97</u> |
| Previous balance | \$636,674.05 |
| Balance due | <u><u>\$782,358.02</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joe Rice
Motley Rice

April 4, 2019
In Reference To: Opioids-Public Nuisance Support for T. McGuire [GMA #344B]
Invoice #: 19429

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|--|-------------------|---------------|
| | <u>Garcia Mosqueira, A.</u> | | |
| 12/11/2018 | AGM Literature review for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 12/12/2018 | AGM Literature review for T. McGuire, public nuisance report. | 8.00 300.00/hr | 2,400.00 |
| 12/13/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 4.00 300.00/hr | 1,200.00 |
| 12/18/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 12/19/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 1.00 300.00/hr | 300.00 |
| 12/20/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 12/22/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 12/23/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 12/24/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 5.50 300.00/hr | 1,650.00 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|--|-------------------|---------------|
| 12/26/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 12/27/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 12/28/2018 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 1/5/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 1/10/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 1/11/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 1/13/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 1/14/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 7.00 300.00/hr | 2,100.00 |
| 1/15/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 1/17/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 1/19/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 1/20/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 1/23/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 6.00 300.00/hr | 1,800.00 |
| 1/25/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 1/26/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 2/3/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 2/12/2019 | AGM Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |

Joe Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------|-----|--|-------------------|---------------|
| 2/14/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 2/15/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| 2/19/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 2/21/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 1.00 300.00/hr | 300.00 |
| 2/22/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 2.00 300.00/hr | 600.00 |
| 2/26/2019 | AGM | Valuation of harms for T. McGuire, public nuisance report. | 3.00 300.00/hr | 900.00 |
| SUBTOTAL: | | | [94.50 | 28,350.00] |
| <u>Kreider, Amanda</u> | | | | |
| 1/9/2019 | AK | Researching public policy responses related to opioid epidemic; McGuire report. | 3.75 300.00/hr | 1,125.00 |
| 1/10/2019 | AK | Researching public actions on opioid crisis and writing up findings for T. McGuire report. | 6.00 300.00/hr | 1,800.00 |
| 1/15/2019 | AK | Researched mortality rates for opioid use disorder for T. McGuire and started writing up report. | 3.75 300.00/hr | 1,125.00 |
| 1/16/2019 | AK | Workt on opioid use mortality for T. McGuire. | 3.75 300.00/hr | 1,125.00 |
| 1/17/2019 | AK | Researching opioid use disorder; promotion spending. | 3.75 300.00/hr | 1,125.00 |
| 1/23/2019 | AK | Researching the effects of being placed in foster care on outcomes. | 7.25 300.00/hr | 2,175.00 |
| 1/24/2019 | AK | Phone meeting with T. McGuire. work on foster care. | 3.50 300.00/hr | 1,050.00 |
| 1/30/2019 | AK | Researching outcomes related to child maltreatment; meet with T. McGuire. | 6.00 300.00/hr | 1,800.00 |
| 2/1/2019 | AK | Researching outcomes related to child maltreatment. | 4.75 300.00/hr | 1,425.00 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> | |
|-----------------------|----|---|-------------------|------------|
| 2/6/2019 | AK | Researching number of cases of neglect in Ohio counties. Researching costs of outcomes due to maltreatment. | 4.75 300.00/hr | 1,425.00 |
| 2/13/2019 | AK | Researching social costs due to childhood neglect and calculating total valuation of neglect cases. | 6.00 300.00/hr | 1,800.00 |
| 2/14/2019 | AK | Working on neglect analysis. | 3.50 300.00/hr | 1,050.00 |
| 2/19/2019 | AK | Phone call with T. McGuire to discuss report. | 0.25 300.00/hr | 75.00 |
| 2/20/2019 | AK | Work on childhood neglect, NAS. | 5.75 300.00/hr | 1,725.00 |
| 2/22/2019 | AK | Worked on neglect. | 4.25 300.00/hr | 1,275.00 |
| 2/26/2019 | AK | Met with T. McGuire. | 0.25 300.00/hr | 75.00 |
| 2/27/2019 | AK | Work on neglect. | 4.25 300.00/hr | 1,275.00 |
| SUBTOTAL: | | | 71.50 | 21,450.00] |
| <u>Rushnawitz, R.</u> | | | | |
| 1/3/2019 | RR | Public Nuisance report. | 6.00 575.00/hr | 3,450.00 |
| 1/4/2019 | RR | Public Nuisance report. | 0.50 575.00/hr | 287.50 |
| 1/6/2019 | RR | Public Nuisance report. | 3.00 575.00/hr | 1,725.00 |
| 1/7/2019 | RR | Public Nuisance report. | 0.75 575.00/hr | 431.25 |
| 1/8/2019 | RR | Public Nuisance report. | 1.00 575.00/hr | 575.00 |
| 1/9/2019 | RR | Public Nuisance report. | 4.25 575.00/hr | 2,443.75 |
| 1/10/2019 | RR | Public Nuisance report. | 4.50 575.00/hr | 2,587.50 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|-------------------|---------------|
| 1/11/2019 | RR Public Nuisance report. | 0.75 575.00/hr | 431.25 |
| 1/13/2019 | RR Public Nuisance report. | 2.50 575.00/hr | 1,437.50 |
| 1/14/2019 | RR Public Nuisance report. | 0.50 575.00/hr | 287.50 |
| 1/16/2019 | RR Public Nuisance report. | 2.50 575.00/hr | 1,437.50 |
| 1/17/2019 | RR Public Nuisance report. | 1.75 575.00/hr | 1,006.25 |
| 1/21/2019 | RR Public Nuisance report. | 1.25 575.00/hr | 718.75 |
| 1/22/2019 | RR Public Nuisance report. | 0.50 575.00/hr | 287.50 |
| 1/23/2019 | RR Work on McGuire public nuisance report. | 1.25 575.00/hr | 718.75 |
| 1/24/2019 | RR Work on McGuire public nuisance report. | 0.75 575.00/hr | 431.25 |
| 1/27/2019 | RR Work on McGuire public nuisance report. | 4.25 575.00/hr | 2,443.75 |
| 1/28/2019 | RR Work on McGuire public nuisance report. | 0.25 575.00/hr | 143.75 |
| 2/7/2019 | RR Materials for T. McGuire. | 0.13 575.00/hr | 71.88 |
| 2/11/2019 | RR Call with T. McGuire; public nuisance report. | 0.50 575.00/hr | 287.50 |
| 2/13/2019 | RR Work on McGuire public nuisance report. | 0.50 575.00/hr | 287.50 |
| 2/14/2019 | RR Work on McGuire public nuisance report; under-treatment articles for counsel. | 3.25 575.00/hr | 1,868.75 |
| 2/15/2019 | RR Work on McGuire public nuisance report. | 0.25 575.00/hr | 143.75 |
| 2/17/2019 | RR Work on McGuire public nuisance report. | 0.25 575.00/hr | 143.75 |

Joe Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|-------------------|---------------|
| 2/18/2019 RR | Review materials for McGuire public nuisance report. | 1.00 575.00/hr | 575.00 |
| 2/21/2019 RR | Work on McGuire public nuisance report. | 0.50 575.00/hr | 287.50 |
| 2/25/2019 RR | Work on McGuire public nuisance report. | 2.50 575.00/hr | 1,437.50 |
| 2/26/2019 RR | Work on McGuire public nuisance report. | 5.00 575.00/hr | 2,875.00 |
| 2/27/2019 RR | Work on McGuire public nuisance report. | 1.00 575.00/hr | 575.00 |
| 2/28/2019 RR | Work on McGuire public nuisance report. | 4.00 575.00/hr | 2,300.00 |

SUBTOTAL:

[55.13 31,696.88]

For professional services rendered

221.13 \$81,496.88

Balance due

\$81,496.88 ✓

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

January 15, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19352

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 12/7/2018 | MA Preparing IMS data for plaintiff consultants. | 0.50 485.00/hr | 242.50 |
| 12/17/2018 | MA Summary of IMS data received. | 1.00 485.00/hr | 485.00 |
| 12/18/2018 | MA Summary of IMS data received. | 0.75 485.00/hr | 363.75 |
| 12/31/2018 | MA Discussions in re Xponent data produced by defendants. | 1.75 485.00/hr | 848.75 |
| SUBTOTAL: | | [4.00 | 1,940.00] |
| <u>Christopher, William</u> | | | |
| 12/3/2018 | WC Database research and searches. | 5.50 185.00/hr | 1,017.50 |
| 12/17/2018 | WC Work on appropriate use tables. | 2.00 185.00/hr | 370.00 |
| 12/18/2018 | WC Work on appropriate use tables. | 4.00 185.00/hr | 740.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|-------------------|---------------|
| 12/19/2018 WC | Review and summary of contracts/agreements. | 2.75 185.00/hr | 508.75 |
| 12/20/2018 WC | Review and summary of contracts/agreements. | 8.00 185.00/hr | 1,480.00 |
| 12/21/2018 WC | Review and summary of contracts/agreements. | 8.00 185.00/hr | 1,480.00 |
| 12/27/2018 WC | Review and summary of contracts/agreements. | 8.75 185.00/hr | 1,618.75 |
| 12/28/2018 WC | Review and summary of contracts/agreements. | 3.50 185.00/hr | 647.50 |
| 12/31/2018 WC | Review and summary of contracts/agreements. | 3.75 185.00/hr | 693.75 |

SUBTOTAL:

[46.25 8,556.25]

Erickson, Bennett

| | | | |
|---------------|---|-------------------|--------|
| 12/31/2018 BE | Work on drug coverage in different data sets. | 0.50 350.00/hr | 175.00 |
|---------------|---|-------------------|--------|

SUBTOTAL:

[0.50 175.00]

Honan, Sarah

| | | | |
|---------------|--|-------------------|--------|
| 12/3/2018 SH | Data analysis (Xponent, Mallinckrodt; drug names). | 4.75 195.00/hr | 926.25 |
| 12/5/2018 SH | Data analysis (Xponent). | 1.00 195.00/hr | 195.00 |
| 12/10/2018 SH | Data analysis and summaries (Xponent). | 2.00 195.00/hr | 390.00 |
| 12/31/2018 SH | Data analysis (Xponent). | 3.50 195.00/hr | 682.50 |

SUBTOTAL:

[11.25 2,193.75]

McCluer, Forrest

| | | | |
|--------------|---|-------------------|----------|
| 12/1/2018 FM | Conference call. Worked on regression analysis. | 4.00 485.00/hr | 1,940.00 |
|--------------|---|-------------------|----------|

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|--|--------------------|---------------|
| 12/2/2018 FM | Worked on econometric specification. Conducted sensitivity tests. | 4.00 485.00/hr | 1,940.00 |
| 12/3/2018 FM | Worked on regression specification. Spoke with M. Rosenthal about prevalence and econometric specification issues. Circulated data for review. | 8.50 485.00/hr | 4,122.50 |
| 12/4/2018 FM | Conference call. Review of econometric results. Data checks. Work with staff. | 10.75 485.00/hr | 5,213.75 |
| 12/5/2018 FM | Coordinate with C-L on data checking shipments data. Extend regression analysis. Discuss ROI documents and other document searches. | 11.00 485.00/hr | 5,335.00 |
| 12/6/2018 FM | Conference call. Extended regression analysis. Work on NDTI data. | 10.00 485.00/hr | 4,850.00 |
| 12/7/2018 FM | Prepared regressions. Call with M. Rosenthal. | 8.00 485.00/hr | 3,880.00 |
| 12/8/2018 FM | Call with M. Rosenthal. Additional specifications. | 0.75 485.00/hr | 363.75 |
| 12/9/2018 FM | Work on ARCOS data; regression analysis. | 3.25 485.00/hr | 1,576.25 |
| 12/11/2018 FM | Data check and update. Regression analysis update and review. | 5.50 485.00/hr | 2,667.50 |
| 12/12/2018 FM | Worked on draft report summarizing regression model. Worked on appropriate uses analysis. | 8.75 485.00/hr | 4,243.75 |
| 12/14/2018 FM | Data check. Revised econometric models. | 6.00 485.00/hr | 2,910.00 |
| 12/15/2018 FM | Prepared regression analysis. Conducted sensitivity analysis. | 1.50 485.00/hr | 727.50 |
| 12/16/2018 FM | Conducted sensitivity tests on regression models. | 2.75 485.00/hr | 1,333.75 |
| 12/17/2018 FM | Prepare and check impact summaries by year. | 6.00 485.00/hr | 2,910.00 |
| 12/18/2018 FM | Prepared sensitivity tests | 11.00 485.00/hr | 5,335.00 |
| 12/19/2018 FM | Conducted sensitivity tests on econometric model. Worked on report draft. Spoke with M. Rosenthal. Work on NDTI analysis. | 10.50 485.00/hr | 5,092.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|--|-------------------|---------------|
| 12/20/2018 FM | Worked on draft report. Prepared regression analyses. Data checking. | 7.25 485.00/hr | 3,516.25 |
| 12/21/2018 FM | Worked on draft. Worked on data checking. | 8.50 485.00/hr | 4,122.50 |
| 12/23/2018 FM | Data checked compilation of regression data. | 2.50 485.00/hr | 1,212.50 |
| 12/24/2018 FM | Data check specialty interpolation for NPA. | 2.00 485.00/hr | 970.00 |
| 12/26/2018 FM | Data check. Prepare backup. Worked on draft. | 2.50 485.00/hr | 1,212.50 |
| 12/27/2018 FM | Data checking. Conference call with T. McGuire. | 3.00 485.00/hr | 1,455.00 |
| 12/28/2018 FM | Data check. Econometric tests and respectifications. | 1.75 485.00/hr | 848.75 |
| 12/29/2018 FM | Data check. | 4.50 485.00/hr | 2,182.50 |
| 12/30/2018 FM | Data check. Prepare tables and write-up for T. McGuire. | 3.00 485.00/hr | 1,455.00 |
| 12/31/2018 FM | Data check. Prepare draft of appropriate use. | 4.00 485.00/hr | 1,940.00 |

SUBTOTAL:

[151.25 73,356.25]

Rushnawitz, R.

| | | | |
|---------------|--------------------------------------|-------------------|--------|
| 12/2/2018 RR | Call with T. Sobol. | 0.25 525.00/hr | 131.25 |
| 12/3/2018 RR | Discussions. | 0.25 525.00/hr | 131.25 |
| 12/5/2018 RR | Discussions. | 0.25 525.00/hr | 131.25 |
| 12/12/2018 RR | Call with counsel. | 1.00 525.00/hr | 525.00 |
| 12/13/2018 RR | Call with T. Sobol re Schondelmeyer. | 0.25 525.00/hr | 131.25 |
| 12/17/2018 RR | Data summary. | 0.25 525.00/hr | 131.25 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------|--|-------------------|---------------|
| 12/18/2018 | RR Work on M. Rosenthal report; divergence research. | 5.75 525.00/hr | 3,018.75 |
| 12/19/2018 | RR Research; contracts. | 0.50 525.00/hr | 262.50 |
| 12/24/2018 | RR Call with T. McGuire re public nuisance report. | 0.13 525.00/hr | 65.63 |
| 12/30/2018 | RR McGuire public nuisance report: work on report. | 0.25 525.00/hr | 131.25 |
| SUBTOTAL: | | [8.88 | 4,659.38] |
| <u>Sha, Xin</u> | | | |
| 12/5/2018 | XS Data analysis and verification. | 2.00 320.00/hr | 640.00 |
| 12/6/2018 | XS Data analysis and verification. | 7.00 320.00/hr | 2,240.00 |
| 12/7/2018 | XS Data analysis and verification. | 5.00 320.00/hr | 1,600.00 |
| 12/9/2018 | XS Data analysis and verification. | 5.00 320.00/hr | 1,600.00 |
| 12/10/2018 | XS Data analysis and verification. | 8.50 320.00/hr | 2,720.00 |
| 12/11/2018 | XS Data analysis and verification. | 8.00 320.00/hr | 2,560.00 |
| 12/12/2018 | XS Data analysis and verification. | 9.00 320.00/hr | 2,880.00 |
| 12/13/2018 | XS Data analysis and verification. | 6.00 320.00/hr | 1,920.00 |
| 12/14/2018 | XS Data analysis and verification. | 7.00 320.00/hr | 2,240.00 |
| 12/19/2018 | XS Data analysis and verification. | 6.00 320.00/hr | 1,920.00 |
| 12/20/2018 | XS Data analysis and verification. | 5.00 320.00/hr | 1,600.00 |
| 12/21/2018 | XS Data analysis and verification. | 9.00 320.00/hr | 2,880.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|--|-------------------|---------------|
| 12/27/2018 | XS Data analysis and verification. | 4.00 320.00/hr | 1,280.00 |
| SUBTOTAL: | | [81.50 | 26,080.00] |
| <u>Starr, Martha</u> | | | |
| 12/15/2018 | MS Literature review for M. Rosenthal summarizing research on estimated effects of promotion on sales. | 2.00 450.00/hr | 900.00 |
| SUBTOTAL: | | [2.00 | 900.00] |
| <u>Stone, Sarah</u> | | | |
| 12/3/2018 | SS Literature research for F. McCluer. | 1.25 185.00/hr | 231.25 |
| 12/4/2018 | SS Literature research for F. McCluer. | 5.50 185.00/hr | 1,017.50 |
| 12/6/2018 | SS Literature research, diversion. | 3.00 185.00/hr | 555.00 |
| 12/17/2018 | SS Literature research, diversion. | 8.50 185.00/hr | 1,572.50 |
| 12/18/2018 | SS Literature research, diversion. | 7.00 185.00/hr | 1,295.00 |
| 12/19/2018 | SS Literature research, diversion. Review and summarize contract/agreements. | 8.00 185.00/hr | 1,480.00 |
| 12/20/2018 | SS Review and summarize contract/agreements. | 8.00 185.00/hr | 1,480.00 |
| 12/21/2018 | SS Review and summarize contract/agreements. | 8.00 185.00/hr | 1,480.00 |
| 12/26/2018 | SS Review and summarize contract/agreements. | 6.50 185.00/hr | 1,202.50 |
| 12/27/2018 | SS Review and summarize contract/agreements. | 8.00 185.00/hr | 1,480.00 |
| SUBTOTAL: | | [63.75 | 11,793.75] |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------|--|--------------------|---------------|
| <u>Tolmie, S.</u> | | | |
| 12/3/2018 ST | Data analysis; appropriate use; data analysis. | 10.00 185.00/hr | 1,850.00 |
| 12/4/2018 ST | Data analysis, appropriate use; documentation. | 8.00 185.00/hr | 1,480.00 |
| 12/5/2018 ST | ROI analysis. | 8.00 185.00/hr | 1,480.00 |
| 12/6/2018 ST | Data analysis; call. | 8.00 185.00/hr | 1,480.00 |
| 12/7/2018 ST | Data analysis; appropriate use. | 6.00 185.00/hr | 1,110.00 |
| 12/8/2018 ST | Data analysis; appropriate use. | 4.00 185.00/hr | 740.00 |
| 12/10/2018 ST | Data analysis; appropriate use. | 6.00 185.00/hr | 1,110.00 |
| 12/11/2018 ST | Data analysis; appropriate use. | 6.00 185.00/hr | 1,110.00 |
| 12/12/2018 ST | Data analysis; appropriate use. | 6.00 185.00/hr | 1,110.00 |
| 12/14/2018 ST | Data analysis; appropriate use. | 6.00 185.00/hr | 1,110.00 |
| 12/17/2018 ST | Data analysis; appropriate use.; ROI analysis | 6.00 185.00/hr | 1,110.00 |
| 12/18/2018 ST | Data analysis; ROI. | 8.00 185.00/hr | 1,480.00 |
| 12/19/2018 ST | Data analysis; ROI. | 7.00 185.00/hr | 1,295.00 |
| 12/20/2018 ST | Data analysis; ROI. | 8.00 185.00/hr | 1,480.00 |
| 12/21/2018 ST | Data analysis; ROI; research for report. | 6.00 185.00/hr | 1,110.00 |
| 12/26/2018 ST | Data analysis; ROI; research for report. | 6.00 185.00/hr | 1,110.00 |
| 12/27/2018 ST | Data analysis; ROI; research for report. | 4.00 185.00/hr | 740.00 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-------------------|---------------------|
| 12/31/2018 ST Data analysis; research for report. | 6.00 185.00/hr | 1,110.00 |
| SUBTOTAL: | [119.00 | 22,015.00] |
| For professional services rendered | 488.38 | \$151,669.38 |
| Additional Charges : | | |
| <u>Stone, Sarah</u> | | |
| 12/4/2018 Publication: "Copay Assistance for Expensive Drugs: A Helping Hand That Raises Costs." | | 35.00 |
| 12/17/2018 Publication: "Reductions in prescription opioid diversion following recent legislative interventions in Florida." | | 38.00 |
| SUBTOTAL: | | [73.00] |
| Total costs | | \$73.00 |
| Total amount of this bill | | \$151,742.38 |
| Previous balance | | \$689,848.62 |
| 12/26/2018 To correct payment previously recorded. | | (\$2,000.00) |
| Total payments and adjustments | | (\$2,000.00) |
| Balance due | | <u>\$839,591.00</u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

January 15, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19354

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--|-----------------|--------------------|
| | <u>* Rosenthal, M.</u> | | |
| 12/1/2018-MR | Review data and materials; methodology; conference | 26.25 | 19,031.25 |
| 12/31/2018 | calls; work on report. | 725.00/hr | |
| | | | |
| SUBTOTAL: | | [26.25 | 19,031.25] |
| | | | |
| For professional services rendered | | 26.25 | \$19,031.25 |
| Previous balance | | | \$40,600.00 |
| | | | |
| Balance due | | | <u>\$59,631.25</u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

January 15, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19353

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--|-----------------|---------------|
| | <u>* Rosenthal, M.</u> | | |
| 11/1/2018-MR | Review data and materials; methodology; conference | 15.25 | 11,056.25 |
| 11/30/2018 | calls; meeting. | 725.00/hr | |
| | | | |
| SUBTOTAL: | | [15.25 | 11,056.25] |
| | | | |
| For professional services rendered | | 15.25 | \$11,056.25 |
| Previous balance | | | \$29,543.75 |
| | | | |
| Balance due | | | \$40,600.00 |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

April 4, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal* [GMA # 344A]

Invoice #: 19424

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-----------------|----------------------|
| <u>* Rosenthal, M.</u> | | |
| 1/1/2019-MR Work on report; analysis; discussions. | 41.25 | 34,031.25 |
| 1/31/2019 | 825.00/hr | |
| SUBTOTAL: | [41.25 | 34,031.25] |
| For professional services rendered | 41.25 | <u>\$34,031.25</u> |
| Previous balance | | \$59,631.25 |
| 2/13/2019 Payment - Thank You. | | (\$14,318.75) |
| 2/13/2019 Payment - Thank You. | | (\$15,225.00) |
| Total payments and adjustments | | <u>(\$29,543.75)</u> |
| Balance due | | <u>\$64,118.75</u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

April 4, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19425

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-----------------|---------------------------|
| <u>* Rosenthal, M.</u> | | |
| 2/1/2019-MR Work on report; analysis; discussions. | 16.50 | 13,612.50 |
| 2/28/2019 | 825.00/hr | |
| SUBTOTAL: | [16.50 | 13,612.50] |
| For professional services rendered | 16.50 | <u>\$13,612.50</u> |
| Previous balance | | \$64,118.75 |
| Balance due | | <u><u>\$77,731.25</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice

Motley Rice

CC: T. Sobol/HBSS

April 4, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19427

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|--|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 1/2/2019 | MA Review of defendant Xponent data; call with counsel; creating Xponent example. | 1.25 500.00/hr | 625.00 |
| 1/3/2019 | MA Call with [REDACTED] expert and counsel; call with T. Sobol; review of Xponent data; internal discussions in re Xponent data. | 3.75 500.00/hr | 1,875.00 |
| 1/24/2019 | MA Discussions in re IMS NDTI data. | 1.00 500.00/hr | 500.00 |
| 1/31/2019 | MA Discussions in re market shares and Xponent data. | 1.00 500.00/hr | 500.00 |
| SUBTOTAL: | | [7.00 | 3,500.00] |
| <u>Christopher, William</u> | | | |
| 1/2/2019 | WC Review and summary of contracts/agreements. | 8.50 195.00/hr | 1,657.50 |
| 1/3/2019 | WC Review and summary of contracts/agreements. | 4.00 195.00/hr | 780.00 |
| 1/9/2019 | WC Research on articles that correlate opioid use disorder and mortality rates | 3.50 195.00/hr | 682.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|---|-------------------|---------------|
| SUBTOTAL: | | [16.00 | 3,120.00] |
| <u>Erickson, Bennett</u> | | | |
| 1/10/2019 | BE Data analysis. | 2.50 390.00/hr | 975.00 |
| 1/18/2019 | BE Data analysis. | 5.75 390.00/hr | 2,242.50 |
| 1/23/2019 | BE Data analysis. | 1.00 390.00/hr | 390.00 |
| 1/29/2019 | BE Data analysis. | 1.00 390.00/hr | 390.00 |
| SUBTOTAL: | | [10.25 | 3,997.50] |
| <u>Fry, Carrie</u> | | | |
| 10/13/2018 | CF Literature review - pain management for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 10/14/2018 | CF Literature review - pain management for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 7.00 300.00/hr | 2,100.00 |
| 10/15/2018 | CF Literature review - pain management for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 10/21/2018 | CF Literature review - pain management for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 5.00 300.00/hr | 1,500.00 |
| 10/22/2018 | CF Literature review - pain management for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 1/20/2019 | CF Research re under-treatment. | 3.00 300.00/hr | 900.00 |
| 1/21/2019 | CF Research re under-treatment. | 4.00 300.00/hr | 1,200.00 |
| 1/23/2019 | CF Research re under-treatment. | 6.00 300.00/hr | 1,800.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| 1/24/2019 | CF Research re under-treatment. | 5.00 300.00/hr | 1,500.00 |
| 1/27/2019 | CF Research re under-treatment. | 4.00 300.00/hr | 1,200.00 |
| 1/28/2019 | CF Research re under-treatment. | 1.00 300.00/hr | 300.00 |
| SUBTOTAL: | | [41.00 | 12,300.00] |
| <u>Garcia Mosqueira, A.</u> | | | |
| 9/24/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 9/25/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 9/26/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 6.00 300.00/hr | 1,800.00 |
| 9/27/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 9/28/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 10/1/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 10/2/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 10/3/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| 10/10/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|--|-------------------|---------------|
| 10/11/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 10/12/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 10/16/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 10/17/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 6.00 300.00/hr | 1,800.00 |
| 10/23/2018 | AGM Document review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 11/2/2018 | AGM Work on contracts for T. Sobol. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 11/3/2018 | AGM Work on contracts for T. Sobol. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 11/7/2018 | AGM Review documents and literature review for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| 11/8/2018 | AGM Work on contracts for T. Sobol. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 11/13/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 11/14/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 6.00 300.00/hr | 1,800.00 |
| 11/17/2018 | AGM Work on contracts for T. Sobol. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 11/19/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|--|-------------------|---------------|
| 11/20/2018 | AGM Work on contracts for T. Sobol. . [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 11/21/2018 | AGM Work on contracts for T. Sobol. . [Note: this time was not billed on previously submitted invoices for this time period]. | 3.00 300.00/hr | 900.00 |
| 11/26/2018 | AGM Work on contracts for T. Sobol; research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 2.00 300.00/hr | 600.00 |
| 11/28/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 11/29/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| 11/30/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| 12/1/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| 12/2/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 4.00 300.00/hr | 1,200.00 |
| 12/3/2018 | AGM Research for M. Rosenthal. [Note: this time was not billed on previously submitted invoices for this time period]. | 8.00 300.00/hr | 2,400.00 |
| SUBTOTAL: | | [132.00 | 39,600.00] |
| <u>Hebert, Brian</u> | | | |
| 1/18/2019 | BH Modifying name standardization process for drugs in ARCOS/NPA match. | 2.50 390.00/hr | 975.00 |
| SUBTOTAL: | | [2.50 | 975.00] |
| <u>Honan, Sarah</u> | | | |
| 1/2/2019 | SH Data analysis (Xponent). | 2.75 235.00/hr | 646.25 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| 1/3/2019 | SH Data analysis (Xponent). | 0.75 235.00/hr | 176.25 |
| 1/4/2019 | SH Data analysis (Xponent). | 0.50 235.00/hr | 117.50 |
| 1/5/2019 | SH Data analysis (Xponent). | 0.50 235.00/hr | 117.50 |
| 1/6/2019 | SH Data analysis (Xponent). | 0.25 235.00/hr | 58.75 |
| 1/7/2019 | SH Data analysis (Xponent, prescriber data). | 6.50 235.00/hr | 1,527.50 |
| 1/8/2019 | SH Data analysis (Xponent). | 0.25 235.00/hr | 58.75 |
| 1/9/2019 | SH Data analysis (Xponent). | 1.50 235.00/hr | 352.50 |
| 1/14/2019 | SH Data analysis (Xponent). | 1.00 235.00/hr | 235.00 |
| 1/15/2019 | SH Data analysis (Xponent). | 1.00 235.00/hr | 235.00 |
| 1/16/2019 | SH Data analysis (Xponent). | 2.25 235.00/hr | 528.75 |
| 1/17/2019 | SH Data analysis (Xponent). | 4.25 235.00/hr | 998.75 |
| 1/18/2019 | SH Data analysis (IQVIA). | 0.50 235.00/hr | 117.50 |
| 1/29/2019 | SH Data analysis (Xponent). | 1.75 235.00/hr | 411.25 |
| 1/30/2019 | SH Data analysis (Xponent). | 3.25 235.00/hr | 763.75 |
| 1/31/2019 | SH Data analysis (Xponent). | 8.50 235.00/hr | 1,997.50 |

SUBTOTAL:

[35.50 8,342.50]

McCluer, Forrest

| | | | |
|----------|---|-------------------|----------|
| 1/2/2019 | FM Review report draft. Data check specialty interpolation. Review summary of appropriate use. | 5.75 500.00/hr | 2,875.00 |
|----------|---|-------------------|----------|

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|--------------------|---------------|
| 1/3/2019 FM | Data check. Sensitivity tests for econometric model. Production of tables and charts. | 7.50 500.00/hr | 3,750.00 |
| 1/4/2019 FM | Data check specialty interpolation. Conducted sensitivity tests on regression analysis. Prepared charts and tables for draft report. | 10.25 500.00/hr | 5,125.00 |
| 1/5/2019 FM | Data check specialty interpolation for NPA data in 2011. Prepare tables and charts for draft report. Conduct review of unit roots. | 6.25 500.00/hr | 3,125.00 |
| 1/6/2019 FM | Prepare tables and charts for draft report. Conduct tests of econometric results. Data checking. | 7.00 500.00/hr | 3,500.00 |
| 1/7/2019 FM | Econometric sensitivity tests. Discussions with M. Rosenthal. Worked on draft report. | 9.50 500.00/hr | 4,750.00 |
| 1/8/2019 FM | Work on regression sensitivity tests. Data check calculations. Worked on supporting attachments for draft report. | 8.00 500.00/hr | 4,000.00 |
| 1/9/2019 FM | Worked on econometric sensitivities. Prepared materials for report attachments. Drafted technical appendix. Worked on data checking. | 9.75 500.00/hr | 4,875.00 |
| 1/10/2019 FM | Review econometric sensitivity tests. Review charts and tables for attachments. Data checks. | 8.50 500.00/hr | 4,250.00 |
| 1/11/2019 FM | Prepare tables and charts. Conduct sensitivity tests on econometric models. Review draft. | 8.25 500.00/hr | 4,125.00 |
| 1/13/2019 FM | Conduct sensitivity tests with econometric model. Analyze suspicious orders. | 8.75 500.00/hr | 4,375.00 |
| 1/14/2019 FM | Conducted sensitivity tests of econometric model. Worked on suspicious orders. Discussed Xponent data with S. Honan. | 3.50 500.00/hr | 1,750.00 |
| 1/15/2019 FM | Analyze suspicious order data. Prepare regressions for preferred model and event dummies. | 10.00 500.00/hr | 5,000.00 |
| 1/16/2019 FM | Conduct sensitivity tests on econometric models. Prepare tables and charts. Supervised analysis of suspicious orders. | 3.75 500.00/hr | 1,675.00 |
| 1/17/2019 FM | Revised tables and charts. Data checking. Review drug renaming and consolidation. | 5.00 500.00/hr | 2,500.00 |
| 1/18/2019 FM | Worked on unit root analysis for three era specification. Data checked. Updated data and econometric models. | 10.00 500.00/hr | 5,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|--------------------|---------------|
| 1/19/2019 FM | Sensitivity tests of econometric model. Diagnosis of related events. Responded to questions from M. Rosenthal. | 2.25 500.00/hr | 1,125.00 |
| 1/20/2019 FM | Prepare tables and charts to summarize econometric models. Conduct unit root tests. | 3.00 500.00/hr | 1,500.00 |
| 1/21/2019 FM | Summarize regression estimates. Conduct unit root tests. Data checks and sensitivity tests. | 6.75 500.00/hr | 3,375.00 |
| 1/22/2019 FM | Prepare summaries and comparisons of econometric models and sensitivity tests. | 7.25 500.00/hr | 3,625.00 |
| 1/23/2019 FM | Updated and check regression and sensitivity tests. | 7.25 500.00/hr | 3,625.00 |
| 1/24/2019 FM | Conference call. Data checking and sensitivity tests. Worked with S. Tolmie. Prepared charts and tables. | 11.00 500.00/hr | 5,500.00 |
| 1/25/2019 FM | Data checked. Prepared tables and charts for M. Rosenthal. | 4.25 500.00/hr | 2,125.00 |
| 1/27/2019 FM | Worked on data check, addressing issues raised by X. Sha. | 1.50 500.00/hr | 750.00 |
| 1/28/2019 FM | Data check. Prepare tables and charts. Run sensitivity tests. | 5.75 500.00/hr | 2,875.00 |
| 1/29/2019 FM | Data checks and sensitivity tests of the regression model. | 6.50 500.00/hr | 3,250.00 |
| 1/30/2019 FM | Data check and revisions. Sensitivity tests of regression analysis. | 6.00 500.00/hr | 3,000.00 |
| 1/31/2019 FM | Respond to requests from attorneys. Respond to questions from M. Rosenthal. Workjed with staff on xponent data. Data checks. | 6.00 500.00/hr | 3,000.00 |

| | | | |
|-----------|---|--------|------------|
| SUBTOTAL: | [| 189.25 | 94,625.00] |
|-----------|---|--------|------------|

| |
|---------------------|
| <u>Owens, Tobie</u> |
|---------------------|

| | | | |
|--------------|--------------------|-------------------|--------|
| 1/28/2019 TO | Meeting logistics. | 1.00 125.00/hr | 125.00 |
|--------------|--------------------|-------------------|--------|

| | | | |
|-----------|---|------|---------|
| SUBTOTAL: | [| 1.00 | 125.00] |
|-----------|---|------|---------|

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|---|-------------------|---------------|
| | | <u>Rushnawitz, R.</u> | | |
| 1/2/2019 | RR | Review materials; call with M. Rosenthal; logistics. | 1.63 575.00/hr | 934.38 |
| 1/9/2019 | RR | Rosenthal report; Schondelmeyer follow up. | 2.00 575.00/hr | 1,150.00 |
| 1/10/2019 | RR | Rosenthal report. | 4.00 575.00/hr | 2,300.00 |
| | RR | Call with T. Sobol re Schondelmeyer; preparation and follow up. | 1.00 575.00/hr | 575.00 |
| 1/15/2019 | RR | Rosenthal report. | 1.00 575.00/hr | 575.00 |
| | | SUBTOTAL: | [9.63 | 5,534.38] |
| | | <u>Sha, Xin</u> | | |
| 1/2/2019 | XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 1/4/2019 | XS | Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 1/7/2019 | XS | Data analysis and verification. | 7.00 330.00/hr | 2,310.00 |
| 1/8/2019 | XS | Data analysis and verification. | 6.00 330.00/hr | 1,980.00 |
| 1/9/2019 | XS | Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 1/10/2019 | XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 1/11/2019 | XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 1/16/2019 | XS | Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |
| 1/17/2019 | XS | Data analysis and verification. | 8.00 330.00/hr | 2,640.00 |
| 1/18/2019 | XS | Data analysis and verification. | 9.00 330.00/hr | 2,970.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---------------------------------|-------------------|---------------|
| 1/23/2019 XS | Data analysis and verification. | 6.00 330.00/hr | 1,980.00 |
| 1/28/2019 XS | Data analysis and verification. | 2.00 330.00/hr | 660.00 |
| 1/30/2019 XS | Data analysis and verification. | 2.00 330.00/hr | 660.00 |
| 1/31/2019 XS | Data analysis and verification. | 7.00 330.00/hr | 2,310.00 |
| SUBTOTAL: | | [98.00 | 32,340.00] |

Starr, Martha

| | | | |
|--------------|---|-------------------|----------|
| 1/3/2019 MS | Literature review for M. Rosenthal summarizing research on estimated effects of promotion on sales. | 2.00 500.00/hr | 1,000.00 |
| 1/4/2019 MS | Literature review for M. Rosenthal summarizing research on estimated effects of promotion on sales. | 0.75 500.00/hr | 375.00 |
| 1/18/2019 MS | Econometric analysis. | 0.25 500.00/hr | 125.00 |
| 1/21/2019 MS | Econometric analysis. | 0.50 500.00/hr | 250.00 |

| | | |
|-----------|--------|-----------|
| SUBTOTAL: | [3.50 | 1,750.00] |
|-----------|--------|-----------|

Stone, Sarah

| | | | |
|--------------|----------------|-------------------|--------|
| 1/31/2019 SS | Data analysis. | 1.50 195.00/hr | 292.50 |
|--------------|----------------|-------------------|--------|

| | | |
|-----------|--------|---------|
| SUBTOTAL: | [1.50 | 292.50] |
|-----------|--------|---------|

Suriawinata, M.

| | | | |
|--------------|----------------|-------------------|--------|
| 1/31/2019 MS | Data analysis. | 3.50 160.00/hr | 560.00 |
|--------------|----------------|-------------------|--------|

| | | |
|-----------|--------|---------|
| SUBTOTAL: | [3.50 | 560.00] |
|-----------|--------|---------|

Tolmie, S.

| | | | |
|-------------|-------------------------------------|-------------------|----------|
| 1/2/2019 ST | Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
|-------------|-------------------------------------|-------------------|----------|

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| 1/3/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/4/2019 | ST Data analysis; research for report. | 9.50 195.00/hr | 1,852.50 |
| 1/5/2019 | ST Data analysis; research for report. | 4.00 195.00/hr | 780.00 |
| 1/6/2019 | ST Data analysis; research for report. | 4.00 195.00/hr | 780.00 |
| 1/7/2019 | ST Data analysis; research for report. | 9.00 195.00/hr | 1,755.00 |
| 1/8/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/9/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/10/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/11/2019 | ST Data analysis; research for report. | 5.00 195.00/hr | 975.00 |
| 1/14/2019 | ST Data analysis; research for report. | 4.00 195.00/hr | 780.00 |
| 1/15/2019 | ST Data analysis; research for report. | 5.50 195.00/hr | 1,072.50 |
| 1/16/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/17/2019 | ST Data analysis; research for report. | 8.50 195.00/hr | 1,657.50 |
| 1/18/2019 | ST Data analysis; research for report. | 8.50 195.00/hr | 1,657.50 |
| 1/22/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/23/2019 | ST Data analysis; research for report. | 8.00 195.00/hr | 1,560.00 |
| 1/24/2019 | ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-------------------|----------------|
| 1/25/2019 ST Data analysis; research for report. | 6.00 195.00/hr | 1,170.00 |
| 1/28/2019 ST Data analysis; research for report. | 7.00 195.00/hr | 1,365.00 |
| 1/29/2019 ST Data analysis; research for report. | 7.50 195.00/hr | 1,462.50 |
| 1/30/2019 ST Data analysis; research for report. | 7.50 195.00/hr | 1,462.50 |
| 1/31/2019 ST Data analysis; research for report. | 2.00 195.00/hr | 390.00 |
| SUBTOTAL: | [144.00 | 28,080.00] |
| For professional services rendered | 694.63 | \$235,141.88 |
| Additional Charges : | | |
| <u>Augusteijn, M.</u> | | |
| 1/31/2019 Federal Express to Lacey Keller. | | 78.18 |
| SUBTOTAL: | | [78.18] |
| <u>Logan, Casey</u> | | |
| 1/31/2019 External Hard Drive for Raw Data. | | 130.11 |
| SUBTOTAL: | | [130.11] |
| Total costs | | \$208.29 |
| Total amount of this bill | | \$235,350.17 |
| Previous balance | | \$839,591.00 |
| 2/7/2019 Payment - Thank You.. Check No. 20437 | | (\$10,971.25) |
| 2/7/2019 Payment - Thank You.. Check No. 20436 | | (\$226,401.50) |
| 2/7/2019 Payment - Thank You.. Check No. 20438 | | (\$200,894.37) |
| Total payments and adjustments | | (\$438,267.12) |

Joseph Rice

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| | <u>Amount</u> |
|-------------|---------------------|
| Balance due | <u>\$636,674.05</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

January 7, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19348

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 11/7/2018 | MA Review of defendant IMS data. | 4.00 485.00/hr | 1,940.00 |
| 11/8/2018 | MA Review of defendant IMS data. | 3.00 485.00/hr | 1,455.00 |
| SUBTOTAL: | | [7.00 | 3,395.00] |
| <u>Christopher, William</u> | | | |
| 11/1/2018 | WC Work on Allergan, Purdue and Janssen data. | 6.50 185.00/hr | 1,202.50 |
| 11/2/2018 | WC Work on Xponent data; call. | 7.25 185.00/hr | 1,341.25 |
| 11/5/2018 | WC Work on Xponent data. | 8.00 185.00/hr | 1,480.00 |
| 11/6/2018 | WC Work on Xponent data. | 7.75 185.00/hr | 1,433.75 |
| 11/7/2018 | WC Work on Xponent and generic data and verification. | 8.50 185.00/hr | 1,572.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|---|-------------------|---------------|
| 11/8/2018 | WC Work on Xponent data. | 8.00 185.00/hr | 1,480.00 |
| 11/9/2018 | WC Work on Xponent data. | 4.00 185.00/hr | 740.00 |
| 11/12/2018 | WC Work on Xponent data, defendant data, . | 8.25 185.00/hr | 1,526.25 |
| 11/13/2018 | WC Work on Xponent data. | 8.00 185.00/hr | 1,480.00 |
| 11/14/2018 | WC Work on Xponent data. | 7.00 185.00/hr | 1,295.00 |
| 11/15/2018 | WC Work on Xponent data. | 7.50 185.00/hr | 1,387.50 |
| 11/16/2018 | WC Work on Xponent data. | 7.00 185.00/hr | 1,295.00 |
| 11/19/2018 | WC Work on Xponent data; work on Endo defendant data imports. | 2.00 185.00/hr | 370.00 |
| 11/20/2018 | WC Work on Endo defendant data imports. | 0.50 185.00/hr | 92.50 |

SUBTOTAL:

[90.25 16,696.25]

Erickson, Bennett

| | | | |
|------------|--|-------------------|----------|
| 11/2/2018 | BE Work on IQVIA data, MME conversions; call. | 4.00 350.00/hr | 1,400.00 |
| 11/5/2018 | BE Work on adding generic drug names. | 3.00 350.00/hr | 1,050.00 |
| 11/6/2018 | BE Work on adding generic drug names. | 4.50 350.00/hr | 1,575.00 |
| 11/7/2018 | BE Work on defendant data; generic drug names/types. | 8.75 350.00/hr | 3,062.50 |
| 11/16/2018 | BE Review MME information for Buprenorphine drugs. | 0.50 350.00/hr | 175.00 |

SUBTOTAL:

[20.75 7,262.50]

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|-------------------|---------------|
| | <u>Hebert, Brian</u> | | |
| 11/2/2018 BH | Data analysis; call. | 1.25 390.00/hr | 487.50 |
| 11/9/2018 BH | Work on backup production for F. McCluer. | 7.00 390.00/hr | 2,730.00 |
| | SUBTOTAL: | [8.25 | 3,217.50] |
| | <u>Honan, Sarah</u> | | |
| 11/2/2018 SH | Data analysis and import; call. | 5.50 195.00/hr | 1,072.50 |
| 11/5/2018 SH | Data analysis (Xponent, NPA). | 6.25 195.00/hr | 1,218.75 |
| 11/6/2018 SH | Data analysis (Xponent, NPA). | 7.50 195.00/hr | 1,462.50 |
| 11/7/2018 SH | Data analysis (Xponent). | 8.00 195.00/hr | 1,560.00 |
| 11/8/2018 SH | Data analysis (Xponent). | 8.00 195.00/hr | 1,560.00 |
| 11/9/2018 SH | Data analysis (Xponent). | 6.00 195.00/hr | 1,170.00 |
| 11/12/2018 SH | Data analysis (Xponent, NPA); data summaries. | 3.50 195.00/hr | 682.50 |
| 11/13/2018 SH | Data analysis (Xponent). | 2.25 195.00/hr | 438.75 |
| 11/14/2018 SH | Data analysis (Xponent). | 2.25 195.00/hr | 438.75 |
| 11/15/2018 SH | Data analysis (Xponent). | 3.25 195.00/hr | 633.75 |
| 11/19/2018 SH | Data analysis (Xponent). | 7.25 195.00/hr | 1,413.75 |
| 11/20/2018 SH | Data analysis (Xponent, IQVIA). | 8.00 195.00/hr | 1,560.00 |
| 11/21/2018 SH | Data analysis (Xponent, Mallinckrodt). | 4.00 195.00/hr | 780.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------------|--|--------------------|---------------|
| 11/28/2018 SH | Data analysis (Xponent, Mallinckrodt). | 1.50 195.00/hr | 292.50 |
| 11/29/2018 SH | Data analysis (Xponent, Mallinckrodt). | 8.00 195.00/hr | 1,560.00 |
| SUBTOTAL: | | [81.25 | 15,843.75] |
| <u>McCluer, Forrest</u> | | | |
| 11/1/2018 FM | Conference call to discuss non-detailing promotion. Prepared comments and edits on Compass-Lexecon memo. Prepared charts and tables for experts. | 7.50 485.00/hr | 3,637.50 |
| 11/2/2018 FM | Team conference call regarding tasks and assignments. Extended analysis to provide estimates of out-of-sample forecasts. | 8.25 485.00/hr | 4,001.25 |
| 11/3/2018 FM | Update analyses. Prepare forecasts of actual and but-for. | 9.00 485.00/hr | 4,365.00 |
| 11/4/2018 FM | Prepare regression models, update data. Prepare documentation. | 5.75 485.00/hr | 2,788.75 |
| 11/5/2018 FM | Update project task list. Extend regression methodologies. Prepare materials for update. | 10.50 485.00/hr | 5,092.50 |
| 11/6/2018 FM | Preparation for conference call. Worked on regression models and but-for calculations. | 9.75 485.00/hr | 4,728.75 |
| 11/7/2018 FM | Set up and run models. | 12.25 485.00/hr | 5,941.25 |
| 11/8/2018 FM | Prepare specialty panel regression with but-for impact calculations. Prepare for expert conference call. | 11.50 485.00/hr | 5,577.50 |
| 11/9/2018 FM | Prepared but-for calculations for specialty panel model. Incorporated updates, revisions, filters to underlying data. | 8.00 485.00/hr | 3,880.00 |
| 11/10/2018 FM | Prepare panel regression analyses. Updated regression data with edits, filters and corrections. | 15.25 485.00/hr | 7,396.25 |
| 11/11/2018 FM | Prepared for meeting on Nov 14. Conference call with experts. | 9.50 485.00/hr | 4,607.50 |
| 11/12/2018 FM | Work with population and PDMP data. | 6.50 485.00/hr | 3,152.50 |
| 11/13/2018 FM | Update calculations, data check. Check in with team members. Prepare for presentation. | 10.00 485.00/hr | 4,850.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|--------------------|---------------|
| 11/14/2018 FM | Conference meeting and follow-up. | 8.00 485.00/hr | 3,880.00 |
| 11/15/2018 FM | Conference call. Follow-up to meeting. Data checking. | 7.00 485.00/hr | 3,395.00 |
| 11/16/2018 FM | Prepare additional explanatory variables. | 1.50 485.00/hr | 727.50 |
| 11/17/2018 FM | Data check for specialty interpolation in 2011. Update tables and charts. Extend aggregate models. | 2.75 485.00/hr | 1,333.75 |
| 11/18/2018 FM | Update tables, charts and regression analyses with updated data. | 2.50 485.00/hr | 1,212.50 |
| 11/19/2018 FM | Update data, tables and charts. Work with staff on data checking and analysis. | 9.75 485.00/hr | 4,728.75 |
| 11/20/2018 FM | Prepare summaries by defendant for counsel. Additional analysis for Teva. Data check, update regression analyses. Discuss tasks with staff. | 12.25 485.00/hr | 5,941.25 |
| 11/21/2018 FM | Prepare tables and charts for counsel. Data check. Update regression analysis. Work with staff. | 8.25 485.00/hr | 4,001.25 |
| 11/23/2018 FM | Prepare tables charts for attorneys, and experts. Data check. Update regression analyses. Conference call. | 6.50 485.00/hr | 3,152.50 |
| 11/24/2018 FM | Update regression analysis. | 6.50 485.00/hr | 3,152.50 |
| 11/25/2018 FM | Update regression analysis. | 8.50 485.00/hr | 4,123.71 |
| 11/26/2018 FM | Preparation of tables and charts. Extend regression analyses as per expert directions. Review outline. Produce tables. | 10.00 485.00/hr | 4,850.00 |
| 11/27/2018 FM | Data check. Organize data and programs. Extend regression analysis. | 10.25 485.00/hr | 4,971.25 |
| 11/28/2018 FM | Prepare for conference call. Data check. Update regression results. | 11.75 485.00/hr | 5,698.75 |
| 11/29/2018 FM | Conference call. Extended regression analysis. Worked with staff on research and data checking. | 11.25 485.00/hr | 5,456.25 |
| 11/30/2018 FM | Discussions with M. Rosenthal. Worked with staff. Data checking. Review of report outline. | 8.00 485.00/hr | 3,880.00 |
| SUBTOTAL: | | [248.50 | 120,523.71] |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|--|-------------------|---------------|
| | <u>Rushnawitz, R.</u> | | |
| 11/1/2018 | RR Call with T. Sobol; follow up re contracts. | 0.25 525.00/hr | 131.25 |
| 11/2/2018 | RR Discussions; agreements/contracts. | 1.25 525.00/hr | 656.25 |
| 11/6/2018 | RR Review agreements/contracts. | 3.00 525.00/hr | 1,575.00 |
| 11/7/2018 | RR Call with T. Sobol. | 0.13 525.00/hr | 65.63 |
| 11/8/2018 | RR Communications re contracts. | 0.13 525.00/hr | 65.63 |
| 11/12/2018 | RR Communications. | 0.25 525.00/hr | 131.25 |
| 11/13/2018 | RR Communications. | 0.25 525.00/hr | 131.25 |
| 11/14/2018 | RR Meeting at HBSS with experts; follow up. | 9.75 525.00/hr | 5,118.75 |
| 11/19/2018 | RR Discussions; data. | 0.25 525.00/hr | 131.25 |
| 11/29/2018 | RR Discussions. | 0.25 525.00/hr | 131.25 |

SUBTOTAL:

[15.51 8,137.51]

Sha, Xin

| | | | |
|-----------|---|-------------------|----------|
| 11/1/2018 | XS Data analysis and verification. | 9.00 320.00/hr | 2,880.00 |
| 11/2/2018 | XS Data analysis and verification. | 8.00 320.00/hr | 2,560.00 |
| 11/3/2018 | XS Data analysis and verification. | 4.00 320.00/hr | 1,280.00 |
| 11/5/2018 | XS Data analysis and verification; preparation of summary tables. | 8.00 320.00/hr | 2,560.00 |
| 11/6/2018 | XS Data analysis and verification; preparation of summary tables. | 9.00 320.00/hr | 2,880.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------------|--|-------------------|---------------|
| 11/7/2018 XS | Data analysis and verification; preparation of summary tables. | 9.00 320.00/hr | 2,880.00 |
| 11/8/2018 XS | Data analysis and verification. | 9.00 320.00/hr | 2,880.00 |
| 11/9/2018 XS | Data analysis and verification. | 3.00 320.00/hr | 960.00 |
| 11/12/2018 XS | Data analysis and verification. | 9.00 320.00/hr | 2,880.00 |
| 11/13/2018 XS | Data analysis and verification. | 4.50 320.00/hr | 1,440.00 |
| 11/14/2018 XS | Data analysis and verification. | 4.50 320.00/hr | 1,440.00 |
| 11/15/2018 XS | Data analysis and verification. | 4.50 320.00/hr | 1,440.00 |
| 11/16/2018 XS | Data analysis and verification. | 4.00 320.00/hr | 1,280.00 |
| 11/19/2018 XS | Data analysis and verification. | 5.00 320.00/hr | 1,600.00 |
| 11/20/2018 XS | Data analysis and verification. | 6.00 320.00/hr | 1,920.00 |
| 11/21/2018 XS | Data analysis and verification. | 5.00 320.00/hr | 1,600.00 |
| 11/26/2018 XS | Data analysis and verification; regression analysis. | 2.00 320.00/hr | 640.00 |
| 11/28/2018 XS | Data analysis and verification; regression analysis. | 4.50 320.00/hr | 1,440.00 |
| 11/29/2018 XS | Data analysis and verification; regression analysis. | 1.00 320.00/hr | 320.00 |
| SUBTOTAL: | | [109.00 | 34,880.00] |
| <u>Stone, Sarah</u> | | | |
| 11/2/2018 SS | Data analysis; call. | 1.50 185.00/hr | 277.50 |
| 11/5/2018 SS | Research and analysis; drug management programs. | 4.00 185.00/hr | 740.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|---|-------------------|---------------|
| 11/7/2018 | SS Research and analysis; drug management programs. | 7.25 185.00/hr | 1,341.25 |
| 11/8/2018 | SS Research and analysis; drug management programs. | 8.25 185.00/hr | 1,526.25 |
| 11/9/2018 | SS Research and analysis; drug management programs. | 7.00 185.00/hr | 1,295.00 |
| 11/12/2018 | SS Research and analysis; drug management programs. | 8.50 185.00/hr | 1,572.50 |
| 11/13/2018 | SS Data preparation for regression analysis. | 8.00 185.00/hr | 1,480.00 |
| 11/15/2018 | SS Data preparation for regression analysis. | 2.75 185.00/hr | 508.75 |
| 11/16/2018 | SS Research and analysis; drug management programs. | 2.75 185.00/hr | 508.75 |
| 11/19/2018 | SS Research and analysis; drug management programs. | 7.00 185.00/hr | 1,295.00 |
| 11/20/2018 | SS Research and analysis; drug management programs. | 3.00 185.00/hr | 555.00 |
| 11/26/2018 | SS Data preparation for regression analysis. | 4.50 185.00/hr | 832.50 |
| 11/27/2018 | SS Data preparation for regression analysis. | 7.00 185.00/hr | 1,295.00 |
| 11/29/2018 | SS Research and analysis; drug management programs. | 1.25 185.00/hr | 231.25 |

SUBTOTAL:

[72.75 13,458.75]

Tolmie, S.

| | | | |
|-----------|---|-------------------|----------|
| 11/1/2018 | ST Data analysis; work with drug names. | 4.00 185.00/hr | 740.00 |
| 11/2/2018 | ST Research; discovery materials re promotion. | 4.00 185.00/hr | 740.00 |
| 11/5/2018 | ST Research; discovery materials re promotion; data analysis. | 5.00 185.00/hr | 925.00 |
| 11/6/2018 | ST Research; discovery materials re promotion; data analysis. | 8.00 185.00/hr | 1,480.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--|--------------------|---------------|
| 11/7/2018 ST | Research; discovery materials re promotion; data analysis. | 7.00 185.00/hr | 1,295.00 |
| 11/8/2018 ST | Research; discovery materials re promotion; data analysis. | 6.50 185.00/hr | 1,202.50 |
| 11/12/2018 ST | Data analysis. | 7.00 185.00/hr | 1,295.00 |
| 11/13/2018 ST | Data analysis and verification; slide preparation. | 4.00 185.00/hr | 740.00 |
| 11/14/2018 ST | Research; discovery materials re promotion. | 6.00 185.00/hr | 1,110.00 |
| 11/15/2018 ST | Research; discovery materials re promotion; ROIs. | 7.00 185.00/hr | 1,295.00 |
| 11/16/2018 ST | Research; discovery materials re promotion; data analysis. | 7.00 185.00/hr | 1,295.00 |
| 11/19/2018 ST | Data analysis; appropriate use. | 10.00 185.00/hr | 1,850.00 |
| 11/20/2018 ST | Data analysis; appropriate use, promotion. | 10.00 185.00/hr | 1,850.00 |
| 11/21/2018 ST | Data analysis; appropriate use. | 7.00 185.00/hr | 1,295.00 |
| 11/26/2018 ST | Data analysis; appropriate use; data analysis. | 6.00 185.00/hr | 1,110.00 |
| 11/27/2018 ST | Data analysis; appropriate use. | 8.00 185.00/hr | 1,480.00 |
| 11/28/2018 ST | Data analysis; appropriate use. | 8.00 185.00/hr | 1,480.00 |
| 11/29/2018 ST | Data analysis; appropriate use. | 7.00 185.00/hr | 1,295.00 |
| 11/30/2018 ST | Data analysis; appropriate use; data analysis. | 7.00 185.00/hr | 1,295.00 |
| SUBTOTAL: | | [128.50 | 23,772.50] |
| For professional services rendered | | 781.76 | \$247,187.47 |

Joseph Rice

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Additional Charges :

| | <u>Amount</u> |
|---|----------------------------|
| <u>McCluer, Forrest</u> | |
| 11/10/2018-Weekend meals due to client deadlines. 11/11/2018 | 37.02 |
| 11/12/2018-Trip to Boston for meeting at HBBS and work with expert: Airfare DCA-BOS 11/17/2018 (\$695.44); Hotel (\$1,390.88); Meals (\$94.81); Taxis to and from Logan (\$63.88); Parking at DCA (\$112.00). | 2,357.01 |
| SUBTOTAL: | [2,394.03] |
| Total costs | <u>\$2,394.03</u> |
| Total amount of this bill | <u>\$249,581.50</u> |
| Previous balance | <u>\$440,267.12</u> |
| Balance due | <u><u>\$689,848.62</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

January 4, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19337

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| <u>Augusteijn, M.</u> | | | |
| 10/9/2018 | MA IMS data analysis. | 0.50 485.00/hr | 242.50 |
| 10/11/2018 | MA Review of Allergan IQVIA data. | 1.00 485.00/hr | 485.00 |
| 10/16/2018 | MA Discussions in re data list. | 0.25 485.00/hr | 121.25 |
| 10/23/2018 | MA Review of IMS data. | 0.50 485.00/hr | 242.50 |
| 10/24/2018 | MA Conference call in re data. | 1.75 485.00/hr | 848.75 |
| 10/26/2018 | MA Discussions in re defendant IMS data. | 0.50 485.00/hr | 242.50 |
| SUBTOTAL: | | [4.50 | 2,182.50] |
| <u>Christopher, William</u> | | | |
| 10/3/2018 | WC Searching for history on supply chain regulation in the opioid industry. | 4.00 185.00/hr | 740.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|---|-------------------|---------------|
| 10/4/2018 | WC Searching for history on supply chain regulation in the opioid industry. | 5.00 185.00/hr | 925.00 |
| 10/29/2018 | WC Data import and analysis. | 3.00 185.00/hr | 555.00 |
| 10/30/2018 | WC Creating summary tables of Janssen, Purdue, and Allergan raw data. Data import and analysis. | 8.50 185.00/hr | 1,572.50 |
| 10/31/2018 | WC Data import and analysis. | 8.50 185.00/hr | 1,572.50 |
| SUBTOTAL: | | [29.00 | 5,365.00] |
| <u>Erickson, Bennett</u> | | | |
| 10/1/2018 | BE Work with B. Hebert on NPA to ARCOS flagging and data verification. Discuss MME work with F. McCluer. | 3.00 350.00/hr | 1,050.00 |
| 10/3/2018 | BE Work with B. Hebert on updating data verification of matching between ARCOS and NPA data. Update MME matching calculations. | 6.00 350.00/hr | 2,100.00 |
| 10/4/2018 | BE Work on updating MME calculations. Create review of non-matching drugs. | 5.50 350.00/hr | 1,925.00 |
| 10/5/2018 | BE Work on MME conversion update. Data search for injectable information on opioid MME conversion factors. Data verification with S. Stone. | 7.75 350.00/hr | 2,712.50 |
| 10/9/2018 | BE Work with B. Hebert on MME comparisons between ARCOS and NPA data. Create review of Allergan Xponent datasets. Work on charts for counsel. | 7.50 350.00/hr | 2,625.00 |
| 10/10/2018 | BE Work with S. Honan on data verification of MME matching. | 1.00 350.00/hr | 350.00 |
| 10/15/2018 | BE Update MME work with MME per extended units. | 0.50 350.00/hr | 175.00 |
| 10/16/2018 | BE Work on updating MME work to include DEA class code. | 4.00 350.00/hr | 1,400.00 |
| 10/18/2018 | BE Discuss data progress; analytical tasks. | 1.00 350.00/hr | 350.00 |
| 10/19/2018 | BE Work with B. Hebert on data verification of updated ARCOS to NPA match. Work on updating NPA data to include ArcOS variables for drug class and drug category. Data verification with S. Stone on updated MME work with drug classification. | 3.50 350.00/hr | 1,225.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|---|-------------------|---------------|
| 10/22/2018 | BE Work on creating list of ARCOS drugs not matching to NPA data. Data verification of non-matching drugs with B. Hebert. | 5.00 350.00/hr | 1,750.00 |
| 10/23/2018 | BE Work on creating list of ARCOS drugs not matching to NPA data. Data verification of non-matching drugs with B. Hebert. | 3.50 350.00/hr | 1,225.00 |
| 10/24/2018 | BE GMA conference call to discuss data processing. Work with F. McCluer on memo for data questions. Work on matching ARCOS in NPA drug flags to create list of drugs missing from NPA data. | 7.00 350.00/hr | 2,450.00 |
| 10/25/2018 | BE Work on creating list of ARCOS drugs not matching to NPA data. Work on verification of MME by year in ARCOS and NPA data. Work on injectable MME update. | 8.50 350.00/hr | 2,975.00 |
| 10/26/2018 | BE Update data. Discuss Xponent Allergan data and Mallinckrodt data with F. McCluer and M. Augusteijn. | 1.50 350.00/hr | 525.00 |
| SUBTOTAL: | | [65.25 | 22,837.50] |

Hebert, Brian

| | | | |
|------------|--|-------------------|----------|
| 10/1/2018 | BH Updating base ARCOS and NSP data with standard drug name and matching flag, working on check with B Erickson. | 2.00 390.00/hr | 780.00 |
| 10/2/2018 | BH Updating base ARCOS and NSP data with standard drug name and matching flag. | 4.50 390.00/hr | 1,755.00 |
| 10/3/2018 | BH Checking aggregates of ARCOS/NPA matches. | 4.00 390.00/hr | 1,560.00 |
| 10/4/2018 | BH Checking aggregates of ARCOS/NPA matches. | 8.00 390.00/hr | 3,120.00 |
| 10/9/2018 | BH Checking aggregates of Arcos/NPA matches. | 5.00 390.00/hr | 1,950.00 |
| 10/18/2018 | BH Adding ARCOS drug category, code, and CSA schedule to matching NPA data. | 6.00 390.00/hr | 2,340.00 |
| 10/19/2018 | BH Adding ARCOS drug category, code, and CSA schedule to matching NPA data. | 4.00 390.00/hr | 1,560.00 |
| 10/22/2018 | BH Work with ARCOS data. | 3.00 390.00/hr | 1,170.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|--|-------------------|---------------|
| 10/23/2018 BH | Work with ARCOS data; matching summaries, preparation of data set of ARCOS match to NPA. | 4.50 390.00/hr | 1,755.00 |
| 10/25/2018 BH | Checking all ARCOS and NPA matches with B Erickson. | 9.00 390.00/hr | 3,510.00 |
| 10/26/2018 BH | Checking all ARCOS and NPA matches with B Erickson. | 2.25 390.00/hr | 877.50 |

SUBTOTAL:

[52.25 20,377.50]

Honan, Sarah

| | | | |
|---------------|---|-------------------|----------|
| 10/4/2018 SH | Work on NPA MME analysis. | 0.50 195.00/hr | 97.50 |
| 10/5/2018 SH | Work on NPA MME analysis. | 0.50 195.00/hr | 97.50 |
| 10/9/2018 SH | Work on NPA MME analysis and NPA-ARCOS matching. | 2.00 195.00/hr | 390.00 |
| 10/10/2018 SH | Work on ARCOS/NPA analysis and MME mapping. | 4.75 195.00/hr | 926.25 |
| 10/15/2018 SH | NPA/ARCOS data analysis. | 0.25 195.00/hr | 48.75 |
| 10/23/2018 SH | Review materials for counsel. | 0.75 195.00/hr | 146.25 |
| 10/24/2018 SH | Work with ARCOS data; review materials; team discussions. | 2.25 195.00/hr | 438.75 |
| 10/29/2018 SH | Work with IQVIA data and preparation of summaries. | 6.25 195.00/hr | 1,218.75 |
| 10/30/2018 SH | Import and work with Xponent data. | 4.00 195.00/hr | 780.00 |

SUBTOTAL:

[21.25 4,143.75]

McCluer, Forrest

| | | | |
|--------------|--|-------------------|----------|
| 10/1/2018 FM | Develop aggregate models for M. Rosenthal. | 5.00 485.00/hr | 2,425.00 |
| 10/2/2018 FM | Worked on NSP-ARCOS-MME crosswalk. Prepared price index for opioids. | 7.00 485.00/hr | 3,395.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|--------------------|---------------|
| 10/3/2018 FM | Developed cross walk to NSP data from the NPA-ARCOS-MME dataset. Prepared price indices based on price per MME. | 1.75 485.00/hr | 848.75 |
| 10/4/2018 FM | Prepared price index based on MME using NSP data. | 6.50 485.00/hr | 3,152.50 |
| 10/5/2018 FM | Prepared regression models. | 7.25 485.00/hr | 3,516.25 |
| 10/6/2018 FM | Prepared data by specialty for regression analysis. | 3.00 485.00/hr | 1,455.00 |
| 10/7/2018 FM | Created a table of ARCOS-IPS by specialty table for analysis; prepared data for regression analysis by specialty. | 4.25 485.00/hr | 2,061.25 |
| 10/8/2018 FM | Prepared charts and data for analysis by specialty group. | 5.75 485.00/hr | 2,788.75 |
| 10/9/2018 FM | Prepared slides for T. Sobol. Discussion with R. Rushnawitz. Prepare regression analysis for M. Rosenthal. | 9.00 485.00/hr | 4,365.00 |
| 10/10/2018 FM | Extend regression analysis based on specialties. | 7.00 485.00/hr | 3,395.00 |
| 10/11/2018 FM | Prepared regression analysis for OxyContin and summaries of all regression models. | 9.50 485.00/hr | 4,607.50 |
| 10/12/2018 FM | Prepared slides for discussion. Set up task assignments for data checking. | 9.75 485.00/hr | 4,728.75 |
| 10/15/2018 FM | Conference call. Prepare analyses for meeting. | 11.00 485.00/hr | 5,335.00 |
| 10/16/2018 FM | Prepare data and analysis in preparation for meeting in Boston. | 10.25 485.00/hr | 4,971.25 |
| 10/17/2018 FM | Preparation of analysis and slides for presentation. Update of analyses and calculation of but-for sales. | 10.00 485.00/hr | 4,850.00 |
| 10/18/2018 FM | Preparation, participation and follow-up meetings. | 8.00 485.00/hr | 3,880.00 |
| 10/19/2018 FM | Follow up analysis to meeting with attorneys and experts. | 2.00 485.00/hr | 970.00 |
| 10/20/2018 FM | Prepared tables and charts. Updated regression analyses. | 3.45 485.00/hr | 1,670.96 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|--|--------------------|---------------|
| 10/21/2018 FM | Updated regression analysis, computed alternative but-for MME sales. | 8.00 485.00/hr | 3,880.00 |
| 10/22/2018 FM | Prepared tables and charts by defendant. | 10.50 485.00/hr | 5,092.50 |
| 10/23/2018 FM | Prepare tables and charts for counsel. Conference call with experts. | 11.75 485.00/hr | 5,698.75 |
| 10/24/2018 FM | Conference call. Prepare questions for attorneys. Work on specialty panel model. Update data preparation. | 11.25 485.00/hr | 5,456.25 |
| 10/25/2018 FM | Prepare specialty panel regression estimations. Conference call. Worked with S. Tolmie to identify NDA/ANDA for each ARCOS drug. | 11.00 485.00/hr | 5,335.00 |
| 10/26/2018 FM | Worked with B. Erickson to prepare memo on injectables for M. Rosenthal. Updated data compilation. | 8.50 485.00/hr | 4,122.50 |
| 10/27/2018 FM | Worked with S. Tolmie to import and analyze data from FDA on brand and generic status. Prepared audit trail across all programs. | 9.00 485.00/hr | 4,365.00 |
| 10/28/2018 FM | Reran and updated analyses. Data checked several analyses. Prepared regression panel analyses on updated data. | 12.00 485.00/hr | 5,820.00 |
| 10/29/2018 FM | Worked with S. Tolmie to import FDA data, and W. Christopher on importation of defendant data. Prepared charts, tables and analyses for experts. | 10.00 485.00/hr | 4,850.00 |
| 10/30/2018 FM | Conference call and review of data issues, conceptual issues and model results. Follow-up analysis. | 9.00 485.00/hr | 4,365.00 |
| 10/31/2018 FM | Conference call and follow up. | 6.00 485.00/hr | 2,910.00 |
| SUBTOTAL: | | [227.45 | 110,310.96] |

Rushnawitz, R.

| | | | |
|--------------|--|-------------------|--------|
| 10/3/2018 RR | Call with M. Rosenthal; research. | 1.25 525.00/hr | 656.25 |
| 10/4/2018 RR | Discussions; data. | 0.75 525.00/hr | 393.75 |
| 10/5/2018 RR | Discussion with counsel; follow up; IMS data; research re marketing. | 1.50 525.00/hr | 787.50 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|-------------------|---------------|
| 10/8/2018 RR | Research and materials for T. Sobol. | 2.50 525.00/hr | 1,312.50 |
| 10/9/2018 RR | Materials for T. Sobol; discussions, logistics. | 0.75 525.00/hr | 393.75 |
| 10/10/2018 RR | Data issues. | 0.25 525.00/hr | 131.25 |
| 10/12/2018 RR | Call with counsel. | 1.00 525.00/hr | 525.00 |
| 10/17/2018 RR | Call with counsel, experts; meeting preparation. | 1.50 525.00/hr | 787.50 |
| 10/18/2018 RR | Preparation for, follow up and meeting with counsel, experts. | 6.00 525.00/hr | 3,150.00 |
| 10/19/2018 RR | Research; counsel requests. | 0.50 525.00/hr | 262.50 |
| 10/23/2018 RR | Discussions. | 0.25 525.00/hr | 131.25 |
| 10/24/2018 RR | Call with team. | 1.00 525.00/hr | 525.00 |
| 10/28/2018 RR | Download data. | 0.25 525.00/hr | 131.25 |
| 10/30/2018 RR | Materials for counsel. | 0.25 525.00/hr | 131.25 |
| 10/31/2018 RR | Review materials. | 0.25 525.00/hr | 131.25 |

SUBTOTAL:

[18.00 9,450.00]

Selker L

| | | | |
|---------------|--|-------------------|--------|
| 10/12/2018 LS | Discovery document search and document review re promotional spending documents. | 0.50 375.00/hr | 187.50 |
| 10/15/2018 LS | Discussions re boxed warnings. | 0.25 375.00/hr | 93.75 |

SUBTOTAL:

[0.75 281.25]

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|--|--------------------|---------------|
| <u>Sha, Xin</u> | | | |
| 10/9/2018 XS | Analysis and verification of Xponent data; preparation of summary tables. | 5.00 320.00/hr | 1,600.00 |
| 10/10/2018 XS | Analysis and verification of MME data; preparation of summary tables. | 9.00 320.00/hr | 2,880.00 |
| 10/11/2018 XS | Analysis and verification of MME data; preparation of summary tables. | 9.00 320.00/hr | 2,880.00 |
| 10/12/2018 XS | Analysis and verification of MME data; preparation of summary tables. | 8.00 320.00/hr | 2,560.00 |
| 10/15/2018 XS | Analysis and verification of MME data; preparation of summary tables. | 8.00 320.00/hr | 2,560.00 |
| 10/16/2018 XS | Preparation of summary tables. | 3.00 320.00/hr | 960.00 |
| 10/17/2018 XS | Data analysis and review. | 2.00 320.00/hr | 640.00 |
| 10/18/2018 XS | Data analysis and review. | 8.00 320.00/hr | 2,560.00 |
| 10/19/2018 XS | Data analysis and review. | 2.00 320.00/hr | 640.00 |
| 10/23/2018 XS | Data analysis and review re MME EU/TRX; preparation of summary tables. | 11.00 320.00/hr | 3,520.00 |
| 10/24/2018 XS | Data analysis and review re MME EU/TRX; preparation of summary tables; team conference call re analysis. | 11.00 320.00/hr | 3,520.00 |
| 10/26/2018 XS | Work on charts. | 2.00 320.00/hr | 640.00 |
| 10/30/2018 XS | Worked on charts. | 6.00 320.00/hr | 1,920.00 |
| 10/31/2018 XS | Work on charts; data verification. | 7.00 320.00/hr | 2,240.00 |
| SUBTOTAL: | | [91.00 | 29,120.00] |
| <u>Starr, Martha</u> | | | |
| 10/31/2018 MS | Review Compass-Lexecon approach to estimating excess mortality due to opioid shipments. Prepare memo for discussion on whether actual-actual or predicted-actual mortality should be used to compute | 5.00 450.00/hr | 2,250.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------|---|-------------------|---------------|
| | excess. Discussions of potential value of MMIT data. Identify relevant published research on shifts in formulary status in 2007-2016. | | |
| | SUBTOTAL: | [5.00 | 2,250.00] |
| | <u>Stone, Sarah</u> | | |
| 10/4/2018 | SS Data analysis and verification. | 5.00 185.00/hr | 925.00 |
| 10/5/2018 | SS Data analysis and verification. | 7.00 185.00/hr | 1,295.00 |
| 10/9/2018 | SS Data analysis and verification. | 1.00 185.00/hr | 185.00 |
| 10/17/2018 | SS Researching DEA codes for the MME analysis. | 1.50 185.00/hr | 277.50 |
| 10/19/2018 | SS Data analysis and verification; research. | 3.00 185.00/hr | 555.00 |
| | SUBTOTAL: | [17.50 | 3,237.50] |
| | <u>Tolmie, S.</u> | | |
| 10/1/2018 | ST Research; FDA for product and package lists. | 2.00 185.00/hr | 370.00 |
| 10/11/2018 | ST Research; FDA for product and package lists. | 2.00 185.00/hr | 370.00 |
| 10/15/2018 | ST Searched discovery documents for P&L and S&P statements; worked on graphs. | 8.00 185.00/hr | 1,480.00 |
| 10/16/2018 | ST Research discovery documents; prepare materials for expert presentation. | 8.00 185.00/hr | 1,480.00 |
| 10/17/2018 | ST Research discovery documents; prepare materials for expert presentation. | 8.00 185.00/hr | 1,480.00 |
| 10/23/2018 | ST Research discovery documents; prepare materials for expert presentation. | 5.00 185.00/hr | 925.00 |
| 10/24/2018 | ST Data analysis. | 8.00 185.00/hr | 1,480.00 |
| 10/25/2018 | ST Data analysis. | 8.00 185.00/hr | 1,480.00 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------|---|-------------------|---------------|
| 10/26/2018 ST | Data analysis. | 8.00 185.00/hr | 1,480.00 |
| 10/27/2018 ST | Data analysis. | 4.00 185.00/hr | 740.00 |
| 10/29/2018 ST | Work on non-detailing promotion analysis. | 9.00 185.00/hr | 1,665.00 |
| 10/30/2018 ST | Work on non-detailing promotion analysis. | 7.00 185.00/hr | 1,295.00 |
| 10/31/2018 ST | Data analysis. | 6.50 185.00/hr | 1,202.50 |

SUBTOTAL:

[83.50 15,447.50]

For professional services rendered

615.45 \$225,003.46

Additional Charges :

McCluer, Forrest

| | |
|---|--------|
| 10/18/2018-Meeting at HBSS and meeting with staff: Airfare (\$489.40); Hotel: (\$398.45); | 984.40 |
| 10/19/2018 Ground transportation (\$46.55); Parking: (\$50.00). | |

SUBTOTAL:

[984.40]

Rushnawitz, R.

| | |
|---|--------|
| 10/18/2018 Meeting with counsel and experts: Lunch. | 378.64 |
|---|--------|

SUBTOTAL:

[378.64]

Starr, Martha

| | |
|--|-------|
| 10/31/2018 Samuels, Elizabeth A., Joseph S. Ross, and Sanket S. Dhruva. "Medicare formulary coverage restrictions for prescription opioids, 2006 to 2015." <i>Annals of internal medicine</i> (2017): 895-896. | 35.00 |
|--|-------|

SUBTOTAL:

[35.00]

Total costs

\$1,398.04

Total amount of this bill

\$226,401.50

Joseph Rice

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| | <u>Amount</u> |
|--|----------------------------|
| Previous balance | \$612,953.92 |
| 12/26/2018 Payment - Thank You.. Check No. 20373 | (\$193,382.69) |
| 12/26/2018 Payment - Thank You.. Check No. 20374 | <u>(\$205,705.61)</u> |
| Total payments and adjustments | (\$399,088.30) |
| Balance due | <u><u>\$440,267.12</u></u> |

Greylock McKinnon Associates

75 Park Plaza
4th Floor
Boston, MA 02116
Tax ID No.: 04-3151187

Invoice submitted to:
Joseph Rice
Motley Rice
CC: T. Sobol/HBSS

January 3, 2019
In Reference To:

In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]

Invoice #: 19334

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-----------------|--------------------|
| * <u>Rosenthal, M.</u> | | |
| 10/1/2018-MR Review materials and analysis; methodology; calls. | 19.75 | 14,318.75 |
| 10/31/2018 | 725.00/hr | |
| SUBTOTAL: | [19.75 | 14,318.75] |
| For professional services rendered | 19.75 | \$14,318.75 |
| Previous balance | | \$74,856.25 |
| 12/26/2018 Payment - Thank You.. Check No. 20372 | | (\$59,631.25) |
| Total payments and adjustments | | (\$59,631.25) |
| Balance due | | <u>\$29,543.75</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice

Motley Rice

CC: T. Sobol/HBSS

December 17, 2018

In Reference To:

In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]

Invoice #: 19304

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------|---|-----------------|--------------------|
| | <u>* Rosenthal, M.</u> | | |
| 9/1/2018-MR | Direct and review analysis; meetings and calls with | 21.00 | 15,225.00 |
| 9/30/2018 | counsel, staff, other experts; meeting. | 725.00/hr | |
| | SUBTOTAL: | [21.00 | 15,225.00] |
| | For professional services rendered | 21.00 | \$15,225.00 |
| | Previous balance | | \$59,631.25 |
| | Balance due | | <u>\$74,856.25</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

December 17, 2018

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19303

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| | <u>Augusteijn, M.</u> | | |
| 9/4/2018 | MA IMS data analysis and discussions. | 2.75 485.00/hr | 1,333.75 |
| 9/5/2018 | MA IMS data analysis and discussions. | 0.50 485.00/hr | 242.50 |
| 9/6/2018 | MA Conference call with counsel and experts; MMIT data inquiry; IMS data analysis. | 4.25 485.00/hr | 2,061.25 |
| 9/7/2018 | MA Discussions in re IMS data. | 1.00 485.00/hr | 485.00 |
| 9/11/2018 | MA ARCOS/IMS analysis. | 0.50 485.00/hr | 242.50 |
| 9/12/2018 | MA Discussions in re IMS data. | 1.00 485.00/hr | 485.00 |
| 9/13/2018 | MA Calls with IMS. | 0.75 485.00/hr | 363.75 |
| 9/14/2018 | MA IMS data analysis. | 1.50 485.00/hr | 727.50 |
| 9/17/2018 | MA Review of MME calculations. | 3.25 485.00/hr | 1,576.25 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| 9/18/2018 | MA Review of MME calculations. | 2.50 485.00/hr | 1,212.50 |
| SUBTOTAL: | | [18.00 | 8,730.00] |
| <u>Christopher, William</u> | | | |
| 9/4/2018 | WC Researching Purdue marketing plans for Oxycontin; research for MDs per capita for other country analysis. | 5.25 185.00/hr | 971.25 |
| 9/5/2018 | WC Searching Purdue documents for allocation data and strategy for Oxycontin. | 4.75 185.00/hr | 878.75 |
| 9/19/2018 | WC Work on population data; work on ARCOS drug names. | 7.00 185.00/hr | 1,295.00 |
| 9/20/2018 | WC Work on drug names for ARCOS data. | 0.75 185.00/hr | 138.75 |
| SUBTOTAL: | | [17.75 | 3,283.75] |
| <u>Erickson, Bennett</u> | | | |
| 9/4/2018 | BE Work on opioid analysis for F. McCluer presentation. Work on NPA to MME joining and MME per TRx analysis. Update manufacturer names for defendant definitions. | 7.00 350.00/hr | 2,450.00 |
| 9/5/2018 | BE Work on opioid name standardization and MME work for NSP data. Work on data questions about oxycontin sales for M. Rosenthal. | 6.00 350.00/hr | 2,100.00 |
| 9/6/2018 | BE Create figures for M. Rosenthal and F. McCluer data presentation. | 1.25 350.00/hr | 437.50 |
| 9/7/2018 | BE Work on analysis of NSP to NPA drug comparisons. Work on cleaning ARCOS drug names for matching with NPA data. Work on patch for missing specialty data in NPA data. | 6.25 350.00/hr | 2,187.50 |
| 9/12/2018 | BE Meet with B. Hebert about ARCOS to NPA matching. Work on ARCOS data review for drug names. | 2.50 350.00/hr | 875.00 |
| 9/13/2018 | BE Work on ARCOS data review. Work on matching ARCOS data to NDC information file and preliminary merge to NPA data. | 2.25 350.00/hr | 787.50 |
| 9/14/2018 | BE Work on ARCOS data review for drug names. | 2.00 350.00/hr | 700.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|-------------------|---------------|
| 9/17/2018 | BE Work on ARCOS data review for drug names. Work on data questions about MME matching for M. Augusteijn and B. Hebert. Discuss data verification of ARCOS name normalization with B. Hebert. | 4.75 350.00/hr | 1,662.50 |
| 9/18/2018 | BE Work on ARCOS data review for drug names. | 3.25 350.00/hr | 1,137.50 |
| 9/19/2018 | BE Work on NPA data review for drug names. | 3.50 350.00/hr | 1,225.00 |
| 9/20/2018 | BE Work on NPA data review for drug names. Work on matching NPA and ARCOS data. | 8.00 350.00/hr | 2,800.00 |
| 9/21/2018 | BE Work on matching NPA and ARCOS data; work on MMEs. | 6.50 350.00/hr | 2,275.00 |
| 9/24/2018 | BE Work MME matching for NPA/ARCOS drugs. | 8.00 350.00/hr | 2,800.00 |
| 9/25/2018 | BE Work MME matching for NPA/ARCOS drugs. | 6.75 350.00/hr | 2,362.50 |
| SUBTOTAL: | | [68.00 | 23,800.00] |

Garcia Mosqueira, A.

| | | | |
|-----------|---|-------------------|----------|
| 9/17/2018 | AGM Literature review for M. Rosenthal. | 1.00 300.00/hr | 300.00 |
| 9/18/2018 | AGM Literature review for M. Rosenthal. | 3.00 300.00/hr | 900.00 |
| 9/20/2018 | AGM Literature review for M. Rosenthal. | 3.00 300.00/hr | 900.00 |
| 9/22/2018 | AGM Literature review for M. Rosenthal. | 8.00 300.00/hr | 2,400.00 |

SUBTOTAL:

[15.00 4,500.00]

Hebert, Brian

| | | | |
|----------|---|-------------------|----------|
| 9/1/2018 | BH Researching/comparing contents of ARCOS and IMS NSP. | 7.00 390.00/hr | 2,730.00 |
| 9/4/2018 | BH Researching/comparing contents of ARCOS and IMS NSP. | 9.50 390.00/hr | 3,705.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------------|---|-------------------|---------------|
| 9/5/2018 BH | Researching/comparing contents of ARCOS and IMS NSP. | 5.00 390.00/hr | 1,950.00 |
| 9/6/2018 BH | Researching/comparing contents of ARCOS and IMS NSP. | 8.50 390.00/hr | 3,315.00 |
| 9/7/2018 BH | Researching/comparing contents of ARCOS and IMS NSP. | 8.00 390.00/hr | 3,120.00 |
| 9/10/2018 BH | Researching/comparing contents of ARCOS and IMS NSP. | 8.00 390.00/hr | 3,120.00 |
| 9/11/2018 BH | Researching/comparing contents of ARCOS and IMS NSP. | 6.50 390.00/hr | 2,535.00 |
| 9/12/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 7.50 390.00/hr | 2,925.00 |
| 9/13/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 8.00 390.00/hr | 3,120.00 |
| 9/15/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 3.00 390.00/hr | 1,170.00 |
| 9/17/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 8.00 390.00/hr | 3,120.00 |
| 9/18/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 9.00 390.00/hr | 3,510.00 |
| 9/19/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 8.50 390.00/hr | 3,315.00 |
| 9/20/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 9.00 390.00/hr | 3,510.00 |
| 9/21/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 9.00 390.00/hr | 3,510.00 |
| 9/23/2018 BH | Updating base ARCOS and NSP data with standard drug name and matching flag. | 1.00 390.00/hr | 390.00 |
| SUBTOTAL: | | [115.50 | 45,045.00] |
| <u>Honan, Sarah</u> | | | |
| 9/4/2018 SH | Work on NSP data and ARCOS drugs. | 3.50 195.00/hr | 682.50 |
| 9/5/2018 SH | Worked on NSP data and ARCOS drugs; data verification. | 8.25 195.00/hr | 1,608.75 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------------|--|--------------------|---------------|
| 9/20/2018 | SH Work on ARCOS and IQVIA drug names. | 1.50 195.00/hr | 292.50 |
| SUBTOTAL: | | [13.25 | 2,583.75] |
| <u>McCluer, Forrest</u> | | | |
| 9/1/2018 | FM Prepare charts of drug, specialty sales and promo. International sales and promotion. | 5.00 485.00/hr | 2,425.00 |
| 9/2/2018 | FM Reviewed Purdue produced documents. | 1.50 485.00/hr | 727.50 |
| 9/3/2018 | FM Review data and documents, revise and update analysis. | 1.50 485.00/hr | 727.50 |
| 9/4/2018 | FM Preparation for meeting. Data, tables and charts. | 8.25 485.00/hr | 4,001.25 |
| 9/5/2018 | FM Prepare tables, charts and slides for presentation. | 13.00 485.00/hr | 6,305.00 |
| 9/6/2018 | FM Preparation for conference. Conference and followup. | 10.25 485.00/hr | 4,971.25 |
| 9/7/2018 | FM Follow-up to meeting. Address data issues. Prepare for debriefing meeting. Met with B. Erickson. | 2.75 485.00/hr | 1,333.75 |
| 9/9/2018 | FM Patch NPA specialty allocation for 2011. | 1.75 485.00/hr | 848.75 |
| 9/10/2018 | FM Worked on patching missing information for NPA by specialty in 2011. | 7.25 485.00/hr | 3,516.25 |
| 9/11/2018 | FM Developed measures of NPA sales by specialty for 2011, filling in missing values in the IQVIA data. | 8.50 485.00/hr | 4,122.50 |
| 9/12/2018 | FM Prepare patches for missing specialty data for NPA 2011 and IPS 2003. | 6.00 485.00/hr | 2,910.00 |
| 9/13/2018 | FM Worked on data preparation. | 8.75 485.00/hr | 4,243.75 |
| 9/14/2018 | FM Worked on NPA specialty interpolation and related data checks. | 9.00 485.00/hr | 4,365.00 |
| 9/15/2018 | FM Reviewed Purdue produced sales and marketing documents. | 6.50 485.00/hr | 3,152.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|--------------------|---------------|
| 9/16/2018 FM | Identified chart of detailing calls for 1999-2002. Estimated data based on the chart and interpolated missing values for Purdue IPS data for 2001-2002. | 6.75 485.00/hr | 3,273.75 |
| 9/17/2018 FM | Prepared memo on data and methods to estimate Purdue's number of contacts made, as reported by IPS, based on produced documents. Allocated IPS values to specialties in 2003 for all manufacturers. | 9.00 485.00/hr | 4,365.00 |
| 9/18/2018 FM | Prepared for call with M. Rosenthal. Calculated IPS variables by specialty for Purdue for 2001 and 2002, then IPS variables in 2003 for all manufacturers. | 5.25 485.00/hr | 2,546.25 |
| 9/19/2018 FM | Worked on Purdue distribution by specialty for 2001-2002. Worked on distribution of specialties for all manufacturers for 2003. | 8.50 485.00/hr | 4,122.50 |
| 9/20/2018 FM | Discussed data issues with B. Hebert, M. Augusteijn and B. Erickson. Organized research topics. | 7.25 485.00/hr | 3,516.25 |
| 9/21/2018 FM | Reviewed documents. | 2.25 485.00/hr | 1,091.25 |
| 9/22/2018 FM | Prepare documentation. Review NPA/ARCOS/MME dataset. | 0.50 485.00/hr | 242.50 |
| 9/23/2018 FM | Analyzed a preliminary NPA-ARCOS-MME data set. Created summary tables and charts. Developeped aggregate model and a drug-specific model. | 2.50 485.00/hr | 1,212.50 |
| 9/24/2018 FM | Reviewed and analyzed NPA with specialty, ARCOS and MME data. | 7.50 485.00/hr | 3,637.50 |
| 9/25/2018 FM | Prepare summaries of NPA-ARCOS-MME sales and promotion. | 8.75 485.00/hr | 4,243.75 |
| 9/26/2018 FM | Analyze NPA+ARCOS+MME+IPS data for mismatches. Discussion with M. Rosenthal. | 5.00 485.00/hr | 2,425.00 |
| 9/27/2018 FM | Created tables and discussed with M. Rosenthal. | 7.50 485.00/hr | 3,637.50 |
| 9/28/2018 FM | Created list of drugs to be assigned NDA or ANDA status. | 10.25 485.00/hr | 4,971.25 |
| 9/29/2018 FM | Refine drug name matching when combining sales and promotional data. | 5.00 485.00/hr | 2,425.00 |
| 9/30/2018 FM | Prepare summay and analysis of defendant, manufacturer drug combinations. | 3.00 485.00/hr | 1,455.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|--------------------|---------------|
| | SUBTOTAL: | [179.00 | 86,815.00] |
| | <u>Rushnawitz, R.</u> | | |
| 9/3/2018 | RR Meeting preparation and logistics. | 0.13 525.00/hr | 65.63 |
| 9/4/2018 | RR Meeting preparation and logistics. | 0.25 525.00/hr | 131.25 |
| 9/5/2018 | RR Call with experts. | 1.00 525.00/hr | 525.00 |
| 9/6/2018 | RR Preparation for and meeting. | 5.25 525.00/hr | 2,756.25 |
| 9/13/2018 | RR Discussions. | 0.25 525.00/hr | 131.25 |
| | SUBTOTAL: | [6.88 | 3,609.38] |
| | <u>Sha, Xin</u> | | |
| 9/4/2018 | XS Created charts for international sales and promotion by country. | 4.00 320.00/hr | 1,280.00 |
| 9/5/2018 | XS Created charts for international sales and promotion by country. | 4.00 320.00/hr | 1,280.00 |
| 9/13/2018 | XS Reviewed the channel dynamics international data received from IQVIA; created a summary document for panel coverage by country and specialty. | 7.00 320.00/hr | 2,240.00 |
| 9/17/2018 | XS Reviewed the channel dynamics international data received from IQVIA; created a summary document for panel coverage by country and specialty; imported raw data; analysis. | 9.00 320.00/hr | 2,880.00 |
| 9/18/2018 | XS Reviewed the channel dynamics international data received from IQVIA; created a summary document for panel coverage by country and specialty; imported raw data; analysis. | 9.00 320.00/hr | 2,880.00 |
| 9/19/2018 | XS Analysis and updates. | 2.00 320.00/hr | 640.00 |
| 9/20/2018 | XS Data analysis for F. McCluer. | 10.00 320.00/hr | 3,200.00 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-------------------|---------------------|
| 9/21/2018 XS Data analysis for F. McCluer. | 9.00 320.00/hr | 2,880.00 |
| 9/24/2018 XS Data analysis for F. McCluer. | 7.00 320.00/hr | 2,240.00 |
| SUBTOTAL: | [61.00 | 19,520.00] |
| <u>Stone, Sarah</u> | | |
| 9/5/2018 SS Data analysis. | 4.00 185.00/hr | 740.00 |
| SUBTOTAL: | [4.00 | 740.00] |
| For professional services rendered | 498.38 | \$198,626.88 |
| Additional Charges : | | |
| <u>McCluer, Forrest</u> | | |
| 9/6/2018 Travel to Boston for client meeting: Airfare (\$528.40); Hotel (\$1,635.59); Taxis (\$28.50); Parking (\$75.00). | | 2,267.49 |
| SUBTOTAL: | | [2,267.49] |
| Total costs | | \$2,267.49 |
| Total amount of this bill | | \$200,894.37 ← |
| Previous balance | | \$412,059.55 |
| Balance due | | <u>\$612,953.92</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

November 12, 2018

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19258

Professional Services

| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|-----------------------|--|-------------------|---------------|
| | <u>Augusteijn, M.</u> | | | |
| 6/15/2018 | MA | IMS data inquiry. | 0.75 485.00/hr | 363.75 |
| 6/18/2018 | MA | NDC list comparisons. | 0.50 485.00/hr | 242.50 |
| 6/19/2018 | MA | IMS data discussions. | 1.00 485.00/hr | 485.00 |
| 6/20/2018 | MA | IMS data discussions. | 3.00 485.00/hr | 1,455.00 |
| 6/21/2018 | MA | IMS data discussions. | 0.25 485.00/hr | 121.25 |
| 6/23/2018 | MA | Work on manufacturer lists for T. Sobol. | 4.00 485.00/hr | 1,940.00 |
| 6/26/2018 | MA | IMS data inquiry. | 0.25 485.00/hr | 121.25 |
| 6/27/2018 | MA | IMS inquiry. | 0.50 485.00/hr | 242.50 |
| 6/28/2018 | MA | IMS data discussions. | 0.75 485.00/hr | 363.75 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|---|-------------------|---|
| 6/29/2018 MA Discussions in re IMS data. | 0.75 485.00/hr | 363.75 |
| | | |
| SUBTOTAL: | [11.75 | 5,698.75] |
| | | |
| <u>Rushnawitz, R.</u> | | |
| 6/20/2018 RR Articles and references for T. Sobol. | 1.50 525.00/hr | 787.50 |
| 6/21/2018 RR Articles and references for T. Sobol. | 0.50 525.00/hr | 262.50 |
| 6/28/2018 RR Discussions with counsel, expert; follow up; data. | 4.25 525.00/hr | 2,231.25 |
| 6/29/2018 RR Calls with counsel, expert, staff; IMS data issues. | 1.75 525.00/hr | 918.75 |
| | | |
| SUBTOTAL: | [8.00 | 4,200.00] |
| | | |
| <u>Sutton, Matthew</u> | | |
| 6/18/2018 SM Cross-checked a select list of IMS codes and drugs from the USC list against the "Opioid NDC Table." | 1.00 165.00/hr | 165.00 |
| 6/19/2018 SM Cross-checked a select list of IMS codes and drugs from the USC list against the "Opioid NDC Table." | 5.50 165.00/hr | 907.50 |
| | | |
| SUBTOTAL: | [6.50 | 1,072.50] |
| | | |
| For professional services rendered | 26.25 | \$10,971.25 |
| | | |
| Balance due | | <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> <u>\$10,971.25</u> </div> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

November 12, 2018

In Reference To: *In re: National Prescription Opiate Litigation [GMA # 344]*

Invoice #: 19260

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| | <u>Augusteijn, M.</u> | | |
| 8/1/2018 | MA IMS data analysis. | 7.50 485.00/hr | 3,637.50 |
| 8/2/2018 | MA IMS data analysis. | 6.00 485.00/hr | 2,910.00 |
| 8/3/2018 | MA IMS data analysis; call with F. McCluer. | 5.25 485.00/hr | 2,546.25 |
| 8/13/2018 | MA Discussions in re IMS data; IMS data analysis. | 4.00 485.00/hr | 1,940.00 |
| 8/14/2018 | MA IMS data analysis. | 5.75 485.00/hr | 2,788.75 |
| 8/15/2018 | MA IMS and ARCOS data analysis. | 4.50 485.00/hr | 2,182.50 |
| 8/16/2018 | MA IMS and ARCOS data analysis. | 7.25 485.00/hr | 3,516.25 |
| 8/17/2018 | MA IMS and ARCOS data analysis; IMS inquiry. | 1.50 485.00/hr | 727.50 |
| 8/27/2018 | MA IMS and ARCOS data analysis; call with experts and counsel. | 8.50 485.00/hr | 4,122.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------------|---|-------------------|---------------|
| 8/28/2018 | MA IMS and ARCOS data analysis; call with experts and counsel; document review. | 8.00 485.00/hr | 3,880.00 |
| 8/29/2018 | MA IMS and ARCOS data analysis. | 5.00 485.00/hr | 2,425.00 |
| 8/30/2018 | MA IMS and ARCOS data analysis; call with experts and counsel. | 4.50 485.00/hr | 2,182.50 |
| 8/31/2018 | MA IMS and ARCOS data analysis. | 5.50 485.00/hr | 2,667.50 |
| SUBTOTAL: | | [73.25 | 35,526.25] |
| <u>Christopher, William</u> | | | |
| 8/7/2018 | WC Data analysis. | 2.00 185.00/hr | 370.00 |
| 8/9/2018 | WC Data analysis. | 0.50 185.00/hr | 92.50 |
| 8/14/2018 | WC Data analysis. | 0.75 185.00/hr | 138.75 |
| 8/15/2018 | WC Data analysis. | 2.50 185.00/hr | 462.50 |
| 8/16/2018 | WC Data analysis. | 3.00 185.00/hr | 555.00 |
| 8/17/2018 | WC Data analysis. | 4.25 185.00/hr | 786.25 |
| SUBTOTAL: | | [13.00 | 2,405.00] |
| <u>Erickson, Bennett</u> | | | |
| 8/6/2018 | BE Data analysis; preparation of charts. | 3.25 350.00/hr | 1,137.50 |
| 8/7/2018 | BE Data analysis; preparation of charts. | 2.50 350.00/hr | 875.00 |
| 8/21/2018 | BE Data analysis; MME merge. | 1.25 350.00/hr | 437.50 |
| 8/22/2018 | BE Data analysis; MME merge. | 0.75 350.00/hr | 262.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|------------------------------|-------------------|---------------|
| 8/27/2018 | BE Data analysis; MME merge. | 0.50 350.00/hr | 175.00 |
| 8/31/2018 | BE Data analysis; MME merge. | 2.00 350.00/hr | 700.00 |
| SUBTOTAL: | | [10.25 | 3,587.50] |

Fry, Carrie

| | | | |
|-----------|---|-------------------|-----------|
| 8/2/2018 | CF Literature review - pain management. | 5.00 300.00/hr | 1,500.00 |
| 8/3/2018 | CF Literature review - pain management. | 1.00 300.00/hr | 300.00 |
| 8/4/2018 | CF Literature review - pain management. | 3.00 300.00/hr | 900.00 |
| 8/5/2018 | CF Literature review - pain management. | 3.00 300.00/hr | 900.00 |
| 8/10/2018 | CF Literature review - pain management. | 1.00 300.00/hr | 300.00 |
| 8/19/2018 | CF Literature review - pain management. | 3.00 300.00/hr | 900.00 |
| 8/25/2018 | CF Literature review - pain management. | 5.00 300.00/hr | 1,500.00 |
| SUBTOTAL: | | [21.00 | 6,300.00] |

Hebert, Brian

| | | | |
|-----------|---|-------------------|----------|
| 8/1/2018 | BH Data analysis; promotion. | 4.00 390.00/hr | 1,560.00 |
| 8/2/2018 | BH Data analysis. | 4.00 390.00/hr | 1,560.00 |
| 8/13/2018 | BH Data analysis; IQVIA and ARCOS matching. | 2.50 390.00/hr | 975.00 |
| 8/14/2018 | BH Data analysis; IQVIA and ARCOS matching. | 8.00 390.00/hr | 3,120.00 |
| 8/15/2018 | BH Data analysis; IQVIA and ARCOS matching. | 7.00 390.00/hr | 2,730.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|--|--------------------|---------------|
| 8/17/2018 BH | Data analysis; IQVIA and ARCOS matching. | 7.00 390.00/hr | 2,730.00 |
| 8/18/2018 BH | Data analysis; IQVIA and ARCOS matching. | 4.50 390.00/hr | 1,755.00 |
| 8/19/2018 BH | Data analysis; IQVIA and ARCOS matching. | 3.50 390.00/hr | 1,365.00 |
| 8/20/2018 BH | Data analysis; IQVIA and ARCOS matching. | 10.00 390.00/hr | 3,900.00 |
| 8/21/2018 BH | Data analysis; IQVIA and ARCOS matching. | 9.00 390.00/hr | 3,510.00 |
| 8/22/2018 BH | Data analysis; IQVIA and ARCOS matching. | 8.75 390.00/hr | 3,412.50 |
| 8/23/2018 BH | Data analysis; IQVIA and ARCOS matching. | 8.50 390.00/hr | 3,315.00 |
| 8/24/2018 BH | Data analysis; IQVIA and ARCOS matching. | 9.00 390.00/hr | 3,510.00 |
| 8/25/2018 BH | Data analysis; IQVIA and ARCOS matching. | 6.50 390.00/hr | 2,535.00 |
| 8/26/2018 BH | Data analysis; IQVIA and ARCOS matching. | 4.00 390.00/hr | 1,560.00 |
| 8/27/2018 BH | Data analysis; IQVIA and ARCOS matching. | 6.00 390.00/hr | 2,340.00 |
| 8/28/2018 BH | Data analysis; IQVIA and ARCOS matching. | 10.00 390.00/hr | 3,900.00 |
| 8/29/2018 BH | Data analysis; IQVIA and ARCOS matching. | 9.00 390.00/hr | 3,510.00 |
| 8/30/2018 BH | Data analysis; IQVIA and ARCOS matching. | 6.50 390.00/hr | 2,535.00 |
| 8/31/2018 BH | Data analysis; IQVIA and ARCOS matching. | 8.00 390.00/hr | 3,120.00 |

SUBTOTAL:

[135.75 52,942.50]

Honan, Sarah

| | | | |
|-------------|----------------|-------------------|--------|
| 8/1/2018 SH | Data analysis. | 2.50 195.00/hr | 487.50 |
|-------------|----------------|-------------------|--------|

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------|--|-------------------|---------------|
| 8/6/2018 | SH Data analysis; preparation of charts. | 5.50 195.00/hr | 1,072.50 |
| 8/7/2018 | SH Data analysis; preparation of charts. | 2.50 195.00/hr | 487.50 |
| 8/14/2018 | SH Data analysis; MME analysis. | 2.00 195.00/hr | 390.00 |
| 8/15/2018 | SH Data analysis; corporate genealogy. | 1.50 195.00/hr | 292.50 |
| 8/16/2018 | SH Data analysis. | 3.50 195.00/hr | 682.50 |
| 8/17/2018 | SH Data analysis. | 5.25 195.00/hr | 1,023.75 |
| 8/20/2018 | SH Data analysis. | 2.00 195.00/hr | 390.00 |
| 8/21/2018 | SH Call with experts re data. | 0.50 195.00/hr | 97.50 |
| 8/22/2018 | SH Data analysis. | 6.75 195.00/hr | 1,316.25 |
| 8/23/2018 | SH Data analysis. | 2.00 195.00/hr | 390.00 |
| 8/27/2018 | SH Data analysis. | 0.50 195.00/hr | 97.50 |
| 8/29/2018 | SH Data analysis. | 3.00 195.00/hr | 585.00 |
| 8/30/2018 | SH Data analysis. | 1.75 195.00/hr | 341.25 |
| SUBTOTAL: | | [39.25 | 7,653.75] |
| <u>Levy, Doug</u> | | | |
| 8/1/2018 | DL Literature review - exogenous events. | 0.75 450.00/hr | 337.50 |
| 8/3/2018 | DL Literature review - exogenous events. | 1.25 450.00/hr | 562.50 |
| 8/6/2018 | DL Literature review - exogenous events. | 2.00 450.00/hr | 900.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------------------|--|--------------------|---------------|
| 8/7/2018 DL | Literature review - exogenous events. | 3.75 450.00/hr | 1,687.50 |
| SUBTOTAL: | | [7.75 | 3,487.50] |
| <u>McCluer, Forrest</u> | | | |
| 8/1/2018 FM | Conference call. Prepared charts of NDTI uses. | 10.50 485.00/hr | 5,092.50 |
| 8/2/2018 FM | Prepared charts and tables to support analysis in preparation for regression analysis. | 7.50 485.00/hr | 3,637.50 |
| 8/3/2018 FM | Worked on normalizing manufacturer and defendant names across datasets. | 7.50 485.00/hr | 3,637.50 |
| 8/4/2018 FM | Worked on NAMCS data and matching to IMS drug names. | 2.50 485.00/hr | 1,212.50 |
| 8/6/2018 FM | Worked on data for regression analysis. Worked on MME conversions. Prepared for meeting. | 11.25 485.00/hr | 5,456.25 |
| 8/8/2018 FM | Reviewed notes and task list from meeting. Set up a cross-walk across data sources using molecule definitions. | 6.00 485.00/hr | 2,910.00 |
| 8/9/2018 FM | Worked on task list from Tuesday meeting. Reviewed international sales data. | 0.50 485.00/hr | 242.50 |
| 8/10/2018 FM | Worked on international sales data and analysis. Worked on IPS data. | 3.00 485.00/hr | 1,455.00 |
| 8/13/2018 FM | Reviewed ARCOS data. Worked on task list. | 5.00 485.00/hr | 2,425.00 |
| 8/14/2018 FM | Data preparation. | 7.50 485.00/hr | 3,637.50 |
| 8/15/2018 FM | Worked on analysis in preparation for conference call. | 6.75 485.00/hr | 3,273.75 |
| 8/16/2018 FM | Worked on charts for MME, EU along with IPS. | 5.00 485.00/hr | 2,425.00 |
| 8/19/2018 FM | Worked on charts of natural experiments, as well as drugname lists. | 1.00 485.00/hr | 485.00 |
| 8/20/2018 FM | Prepared tables and charts. Normalized and compared drug names. | 4.75 485.00/hr | 2,303.75 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|--|--------------------|---------------|
| 8/21/2018 FM | Identified differences in data and naming conventions. | 9.00 485.00/hr | 4,365.00 |
| 8/22/2018 FM | Revise data and prepare charts of natural experiments; include samples. | 6.50 485.00/hr | 3,152.50 |
| 8/23/2018 FM | Prepared analyses. | 9.50 485.00/hr | 4,607.50 |
| 8/24/2018 FM | Discuss analysis of ARCOS and NSP data; prepared charts. | 10.00 485.00/hr | 4,850.00 |
| 8/25/2018 FM | Prepared tables and charts; work on ARCOS data. | 5.00 485.00/hr | 2,425.00 |
| 8/26/2018 FM | Prepared tables and charts; international sales and promotion, price per pill by strength. | 5.50 485.00/hr | 2,667.50 |
| 8/27/2018 FM | Prepare for conference call. Worked on international sales and promotion. | 11.00 485.00/hr | 5,335.00 |
| 8/28/2018 FM | Prepare tables and charts for attorneys. Work on matching. | 10.50 485.00/hr | 5,092.50 |
| 8/29/2018 FM | Prepared charts and tables for attorneys. Work on MME data. | 7.00 485.00/hr | 3,395.00 |
| 8/30/2018 FM | Worked on international data and analyses. | 8.50 485.00/hr | 4,122.50 |
| 8/31/2018 FM | Analyzed NPA specialty data, and IPS promo data. | 6.00 485.00/hr | 2,910.00 |
| SUBTOTAL: | | [167.25 | 81,116.25] |
| <u>Rushnawitz, R.</u> | | | |
| 8/1/2018 RR | Outline; discussions; review materials. | 1.75 525.00/hr | 918.75 |
| 8/2/2018 RR | Outline; discussions; review materials; call and follow up. | 3.50 525.00/hr | 1,837.50 |
| 8/21/2018 RR | Logistics. | 0.25 525.00/hr | 131.25 |
| 8/27/2018 RR | Calls with causation team; follow up; logistics. | 2.63 525.00/hr | 1,378.13 |
| 8/29/2018 RR | Discussions. | 0.25 525.00/hr | 131.25 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-------------------|---------------|
| 8/30/2018 RR Call with counsel; logistics. | 2.13 525.00/hr | 1,115.63 |

| | | |
|-----------|---------|-----------|
| SUBTOTAL: | [10.51 | 5,512.51] |
|-----------|---------|-----------|

Sha, Xin

| | | |
|--|-------------------|----------|
| 8/29/2018 XS Data analysis re IQVIA and ARCOS. | 4.00 320.00/hr | 1,280.00 |
|--|-------------------|----------|

| | | |
|--|-------------------|----------|
| 8/30/2018 XS Data analysis re IQVIA and ARCOS. | 8.00 320.00/hr | 2,560.00 |
|--|-------------------|----------|

| | | |
|-----------|---------|-----------|
| SUBTOTAL: | [12.00 | 3,840.00] |
|-----------|---------|-----------|

Starr, Martha

| | | |
|---|-------------------|--------|
| 8/6/2018 MS Discussions; meeting logistics. | 0.75 450.00/hr | 337.50 |
|---|-------------------|--------|

| | | |
|---|-------------------|----------|
| 8/7/2018 MS Meeting with experts re econometric estimation. | 4.00 450.00/hr | 1,800.00 |
|---|-------------------|----------|

| | | |
|-----------|--------|-----------|
| SUBTOTAL: | [4.75 | 2,137.50] |
|-----------|--------|-----------|

Stone, Sarah

| | | |
|---------------------------------------|-------------------|--------|
| 8/17/2018 SS MME conversion research. | 5.25 185.00/hr | 971.25 |
|---------------------------------------|-------------------|--------|

| | | |
|-----------|--------|---------|
| SUBTOTAL: | [5.25 | 971.25] |
|-----------|--------|---------|

| | | |
|------------------------------------|--------|--------------|
| For professional services rendered | 500.01 | \$205,480.01 |
|------------------------------------|--------|--------------|

Additional Charges :

Czarcinski, Theresa

| | | |
|---------------------------------------|--|-------|
| 8/7/2018 Meeting with experts: Lunch. | | 67.43 |
|---------------------------------------|--|-------|

| | | |
|-----------|---|--------|
| SUBTOTAL: | [| 67.43] |
|-----------|---|--------|

McCluer, Forrest

| | | |
|--|--|--------|
| 8/30/2018 Meeting with experts: Lunch. | | 158.17 |
|--|--|--------|

Joseph Rice

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| | <u>Amount</u> |
|---------------------------|----------------------------|
| SUBTOTAL: | [158.17] |
| Total costs | <u>\$225.60</u> |
| Total amount of this bill | <u>\$205,705.61</u> |
| Previous balance | \$206,353.94 |
| Balance due | <u><u>\$412,059.55</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

November 12, 2018

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19259

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---------------------------------------|-------------------|---------------|
| | <u>Augusteijn, M.</u> | | |
| 7/9/2018 MA | IMS discussions. | 0.75 485.00/hr | 363.75 |
| 7/11/2018 MA | Call with IMS. | 0.50 485.00/hr | 242.50 |
| 7/12/2018 MA | IMS data analysis; call with experts. | 4.75 485.00/hr | 2,303.75 |
| 7/13/2018 MA | IMS data analysis. | 6.75 485.00/hr | 3,273.75 |
| 7/16/2018 MA | IMS data analysis. | 5.00 485.00/hr | 2,425.00 |
| 7/17/2018 MA | IMS data analysis. | 7.25 485.00/hr | 3,516.25 |
| 7/18/2018 MA | IMS data analysis. | 5.50 485.00/hr | 2,667.50 |
| 7/19/2018 MA | IMS data analysis. | 1.50 485.00/hr | 727.50 |
| 7/20/2018 MA | IMS data analysis. | 5.50 485.00/hr | 2,667.50 |

Joseph Rice

Page 2

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--------------------------------------|-------------------|---------------|
| 7/23/2018 | MA IMS data analysis. | 7.25 485.00/hr | 3,516.25 |
| 7/24/2018 | MA IMS data analysis. | 7.00 485.00/hr | 3,395.00 |
| 7/25/2018 | MA IMS data analysis. | 0.50 485.00/hr | 242.50 |
| 7/26/2018 | MA IMS data analysis; call with IMS. | 5.75 485.00/hr | 2,788.75 |
| 7/27/2018 | MA IMS data analysis. | 8.25 485.00/hr | 4,001.25 |
| 7/30/2018 | MA IMS data analysis. | 8.75 485.00/hr | 4,243.75 |
| 7/31/2018 | MA IMS data analysis. | 8.00 485.00/hr | 3,880.00 |

SUBTOTAL:

[83.00 40,255.00]

Bearnot, Benjamin

| | | | |
|-----------|---|-------------------|----------|
| 7/21/2018 | BB Literature review - history; prescription use. | 1.00 450.00/hr | 450.00 |
| 7/24/2018 | BB Literature review - history; prescription use. | 0.50 450.00/hr | 225.00 |
| 7/25/2018 | BB Literature review - history; prescription use. | 1.50 450.00/hr | 675.00 |
| 7/26/2018 | BB Literature review - history; prescription use. | 1.50 450.00/hr | 675.00 |
| 7/29/2018 | BB Literature review - history; prescription use. | 2.00 450.00/hr | 900.00 |
| 7/30/2018 | BB Literature review - history; prescription use. | 2.00 450.00/hr | 900.00 |
| 7/31/2018 | BB Literature review - history; prescription use. | 2.50 450.00/hr | 1,125.00 |

SUBTOTAL:

[11.00 4,950.00]

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|----|---|-------------------|---------------|
| <u>Erickson, Bennett</u> | | | | |
| 7/17/2018 | BE | Upload McGuire publications to OneDrive and share with T. Sobol, A. Ritter, and S. Shealy. | 0.25 350.00/hr | 87.50 |
| 7/18/2018 | BE | Upload Rosenthal publications to OneDrive and share with T. Sobol, A. Ritter, S. Shealy and M. Rosenthal. | 0.25 350.00/hr | 87.50 |
| 7/20/2018 | BE | Data analysis; work on brand/generic identification for drug list. | 3.50 350.00/hr | 1,225.00 |
| 7/21/2018 | BE | Data analysis; work on brand/generic identification for drug list. | 3.25 350.00/hr | 1,137.50 |
| 7/23/2018 | BE | Work on brand/generic identification for drug list from IMS NSP data. | 2.00 350.00/hr | 700.00 |
| 7/24/2018 | BE | Data analysis and verification; review downloaded ARCOS data. | 2.50 350.00/hr | 875.00 |
| 7/26/2018 | BE | Download marketing documents; work on brand/beneric identification for drug list from IMS NSP data. | 4.25 350.00/hr | 1,487.50 |
| 7/27/2018 | BE | Work on IMS NSP matching to MME data and create Opioid MME tables. | 3.50 350.00/hr | 1,225.00 |
| 7/28/2018 | BE | Work on IMS NSP matching to MME data and create Opioid MME tables. | 1.25 350.00/hr | 437.50 |
| 7/30/2018 | BE | Work on IMS NSP matching to MME data and create Opioid MME tables. | 8.50 350.00/hr | 2,975.00 |

SUBTOTAL:

[29.25 10,237.50]

Finkelstein, Stan

| | | | | |
|----------|-----|-----------|-------------------|----------|
| 7/7/2018 | SNF | Research. | 2.00 600.00/hr | 1,200.00 |
| 7/8/2018 | SNF | Research. | 1.00 600.00/hr | 600.00 |

SUBTOTAL:

[3.00 1,800.00]

Hebert, Brian

| | | | | |
|-----------|----|----------------------|--------------------|----------|
| 7/18/2018 | BH | IQVIA data analysis. | 10.50 390.00/hr | 4,095.00 |
|-----------|----|----------------------|--------------------|----------|

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------------|--|--------------------|---------------|
| 7/20/2018 | BH IQVIA data analysis; discussions. | 1.00 390.00/hr | 390.00 |
| 7/22/2018 | BH IQVIA data analysis. | 2.00 390.00/hr | 780.00 |
| 7/23/2018 | BH IQVIA data analysis. | 10.50 390.00/hr | 4,095.00 |
| 7/24/2018 | BH IQVIA data analysis; preparation of charts and tables. | 8.50 390.00/hr | 3,315.00 |
| 7/25/2018 | BH IQVIA data analysis; preparation of charts and tables; research re sales patterns. | 7.00 390.00/hr | 2,730.00 |
| 7/26/2018 | BH IQVIA data analysis; discussions. | 6.00 390.00/hr | 2,340.00 |
| 7/30/2018 | BH IQVIA data analysis. | 1.00 390.00/hr | 390.00 |
| 7/31/2018 | BH IQVIA data analysis. | 10.00 390.00/hr | 3,900.00 |
| SUBTOTAL: | | [56.50 | 22,035.00] |
| <u>Honan, Sarah</u> | | | |
| 7/11/2018 | SH Literature review - NSAID consumption in USA. | 2.50 195.00/hr | 487.50 |
| 7/12/2018 | SH Literature review - NSAID consumption in USA. | 3.00 195.00/hr | 585.00 |
| 7/13/2018 | SH Data analysis. | 3.25 195.00/hr | 633.75 |
| 7/16/2018 | SH Compilation of Rosenthal articles per counsel request. | 3.75 195.00/hr | 731.25 |
| 7/17/2018 | SH Compilation of Rosenthal articles per counsel request. | 0.50 195.00/hr | 97.50 |
| 7/18/2018 | SH Data analysis. | 7.25 195.00/hr | 1,413.75 |
| 7/19/2018 | SH Data analysis. | 4.75 195.00/hr | 926.25 |
| 7/20/2018 | SH Data analysis. | 3.00 195.00/hr | 585.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|-------------------|-------------------|---------------|
| 7/23/2018 | SH Data analysis. | 6.75 195.00/hr | 1,316.25 |
| 7/24/2018 | SH Data analysis. | 1.75 195.00/hr | 341.25 |
| 7/25/2018 | SH Data analysis. | 4.50 195.00/hr | 877.50 |
| 7/26/2018 | SH Data analysis. | 3.25 195.00/hr | 633.75 |
| 7/27/2018 | SH Data analysis. | 3.50 195.00/hr | 682.50 |
| 7/28/2018 | SH Data analysis. | 1.00 195.00/hr | 195.00 |
| 7/30/2018 | SH Data analysis. | 9.00 195.00/hr | 1,755.00 |
| 7/31/2018 | SH Data analysis. | 7.25 195.00/hr | 1,413.75 |

SUBTOTAL:

[65.00 12,675.00]

Levy, Doug

| | | | |
|-----------|---|-------------------|----------|
| 7/22/2018 | DL Literature review - history; prescription use. | 1.75 450.00/hr | 787.50 |
| 7/23/2018 | DL Literature review - history; prescription use. | 0.50 450.00/hr | 225.00 |
| 7/24/2018 | DL Literature review - history; prescription use. | 2.25 450.00/hr | 1,012.50 |
| 7/27/2018 | DL Literature review - history; prescription use. | 3.00 450.00/hr | 1,350.00 |
| 7/30/2018 | DL Literature review - history; prescription use. | 1.50 450.00/hr | 675.00 |
| 7/31/2018 | DL Literature review - history; prescription use. | 2.00 450.00/hr | 900.00 |

SUBTOTAL:

[11.00 4,950.00]

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|-------------------|---------------|
| | <u>McCluer, Forrest</u> | | |
| 7/3/2018 FM | Review materials. | 0.50 485.00/hr | 242.50 |
| 7/5/2018 FM | Reviewed complaint and related documents. | 0.50 485.00/hr | 242.50 |
| 7/12/2018 FM | Preparation and meeting with M. Rosenthal, D. Cutler, R. Rushnawitz and M. Starr. | 6.00 485.00/hr | 2,910.00 |
| 7/13/2018 FM | Reviewed complaint and meeting notes. | 8.00 485.00/hr | 3,880.00 |
| 7/16/2018 FM | Reviewed IMS data. | 1.50 485.00/hr | 727.50 |
| 7/17/2018 FM | Review materials; work on methodology and tasks; discussed schedule. | 2.75 485.00/hr | 1,333.75 |
| 7/18/2018 FM | Review materials; work on methodology and tasks. | 8.00 485.00/hr | 3,880.00 |
| 7/19/2018 FM | Data analysis; preparation of data. | 7.50 485.00/hr | 3,637.50 |
| 7/20/2018 FM | Data analysis; preparation of data; documentation. | 5.00 485.00/hr | 2,425.00 |
| 7/23/2018 FM | Prepared regression data. | 8.00 485.00/hr | 3,880.00 |
| 7/24/2018 FM | Worked on regression data. | 4.00 485.00/hr | 1,940.00 |
| 7/25/2018 FM | Worked on regression analysis. | 5.50 485.00/hr | 2,667.50 |
| 7/27/2018 FM | Worked on regression analysis. | 9.50 485.00/hr | 4,607.50 |
| 7/29/2018 FM | Worked on regression analysis. | 6.25 485.00/hr | 3,031.25 |
| 7/30/2018 FM | Worked on regression analysis and supporting analysis. | 9.00 485.00/hr | 4,365.00 |
| 7/31/2018 FM | Worked on regression analysis; data analysis. | 9.50 485.00/hr | 4,607.50 |
| SUBTOTAL: | | [91.50 | 44,377.50] |

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|--|-------------------|---------------|
| | | <u>McCluer, Kelly</u> | | |
| 7/18/2018 | KM | Review materials; timeline preparation. | 6.50 215.00/hr | 1,397.50 |
| 7/19/2018 | KM | Review materials; timeline preparation; corporate genealogy. | 1.00 215.00/hr | 215.00 |
| 7/20/2018 | KM | Review materials; corporate genealogy. | 3.50 215.00/hr | 752.50 |
| 7/23/2018 | KM | Corporate genealogy. | 5.00 215.00/hr | 1,075.00 |
| | | SUBTOTAL: | [16.00 | 3,440.00] |
| | | <u>Rushnawitz, R.</u> | | |
| 7/2/2018 | RR | Coordination. | 0.25 525.00/hr | 131.25 |
| 7/3/2018 | RR | Data issues; IMS. | 0.50 525.00/hr | 262.50 |
| 7/5/2018 | RR | Research; data issues; discussions. | 1.25 525.00/hr | 656.25 |
| 7/6/2018 | RR | Data issues; IMS order. | 0.25 525.00/hr | 131.25 |
| 7/9/2018 | RR | Discussions; Rawlings data request; IMS data issues. | 1.25 525.00/hr | 656.25 |
| 7/10/2018 | RR | Data issues; discussions. | 1.00 525.00/hr | 525.00 |
| 7/11/2018 | RR | Review materials; logistics; data issues. | 1.50 525.00/hr | 787.50 |
| 7/12/2018 | RR | Meeting with case team and experts. | 4.75 525.00/hr | 2,493.75 |
| 7/13/2018 | RR | Research; review materials; logistics. | 2.00 525.00/hr | 1,050.00 |
| 7/15/2018 | RR | Data issues; logistics. | 0.50 525.00/hr | 262.50 |
| 7/16/2018 | RR | Discussions; materials for counsel; call with team. | 5.50 525.00/hr | 2,887.50 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|-------------------|---------------|
| 7/17/2018 | RR Review materials; data issues; discussions. | 5.50 525.00/hr | 2,887.50 |
| 7/18/2018 | RR Discussions; IMS data; data issues. | 1.25 525.00/hr | 656.25 |
| 7/19/2018 | RR Team call; review materials; discussions. | 5.00 525.00/hr | 2,625.00 |
| 7/20/2018 | RR Discussions; review materials. | 2.25 525.00/hr | 1,181.25 |
| 7/23/2018 | RR Discussions; data issues; research. | 1.38 525.00/hr | 721.88 |
| 7/24/2018 | RR Discussions; research; call with team. | 7.63 525.00/hr | 4,003.13 |
| 7/25/2018 | RR Discussions; data issues; expert background information. | 1.25 525.00/hr | 656.25 |
| 7/30/2018 | RR Scheduling; discussions; research. | 2.13 525.00/hr | 1,115.63 |
| 7/31/2018 | RR Discussions; research. | 2.75 525.00/hr | 1,443.75 |

SUBTOTAL:

[47.89 25,134.39]

Sha, Xin

| | | | |
|-----------|---|-------------------|----------|
| 7/11/2018 | XS Brand/generic drug identification and research. | 1.00 320.00/hr | 320.00 |
| 7/12/2018 | XS Brand/generic drug identification and research. | 3.00 320.00/hr | 960.00 |
| 7/13/2018 | XS Brand/generic drug identification and research. | 9.00 320.00/hr | 2,880.00 |
| 7/16/2018 | XS Brand/generic drug identification and research. | 3.00 320.00/hr | 960.00 |
| 7/17/2018 | XS Brand/generic drug identification and research. | 8.00 320.00/hr | 2,560.00 |
| 7/18/2018 | XS Data analysis; brand/generic drug identification and research. | 9.00 320.00/hr | 2,880.00 |
| 7/24/2018 | XS Brand/generic drug identification and research. | 6.00 320.00/hr | 1,920.00 |

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|----------------------|--|-------------------|---------------|
| 7/26/2018 | XS Brand/generic drug identification and research. | 5.00 320.00/hr | 1,600.00 |
| SUBTOTAL: | | [44.00 | 14,080.00] |
| <u>Starr, Martha</u> | | | |
| 7/11/2018 | MS Review materials; prepare for meeting with experts. | 2.00 450.00/hr | 900.00 |
| 7/12/2018 | MS Meet with D. Cutler, M. Rosenthal & GMA staff to discuss estimation of effects of opioid promotion; data needs. | 5.00 450.00/hr | 2,250.00 |
| 7/13/2018 | MS Discussion with GMA staff on data and econometric issues; research. | 1.75 450.00/hr | 787.50 |
| 7/16/2018 | MS Team meeting with experts on data & econometric methods; work on methodology; research. | 2.00 450.00/hr | 900.00 |
| 7/19/2018 | MS Work with GMA colleagues on data requirements in preparation for econometrics. | 1.00 450.00/hr | 450.00 |
| 7/20/2018 | MS Conference call with experts re econometric analysis. | 1.00 450.00/hr | 450.00 |
| 7/30/2018 | MS Work with GMA colleagues on data requirements; research. | 2.25 450.00/hr | 1,012.50 |
| SUBTOTAL: | | [15.00 | 6,750.00] |
| <u>Stone, Sarah</u> | | | |
| 7/16/2018 | SS Compile Rosenthal publications per request of counsel. | 2.00 185.00/hr | 370.00 |
| 7/17/2018 | SS Compile Rosenthal publications per request of counsel. | 4.50 185.00/hr | 832.50 |
| 7/23/2018 | SS Generic-brand identification, updating instruments. | 4.75 185.00/hr | 878.75 |
| 7/24/2018 | SS Generic-brand identification, updating instruments. | 3.50 185.00/hr | 647.50 |
| 7/25/2018 | SS Work on drug matching. | 2.00 185.00/hr | 370.00 |
| 7/26/2018 | SS Work on drug matching. | 3.00 185.00/hr | 555.00 |

Joseph Rice

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| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-----------------|---------------|
| SUBTOTAL: | [19.75 | 3,653.75] |
| For professional services rendered | 492.89 | \$194,338.14 |
| Additional Charges : | | |
| <u>Czarcinski, Theresa</u> | | |
| 7/12/2018 Meeting with experts: lunch. | | 60.15 |
| SUBTOTAL: | [| 60.15] |
| <u>McCluer, Forrest</u> | | |
| 7/26/2018 Travel for meeting with experts: Airfare (\$489.40); Hotel (\$398.45); Ground transportation (\$46.55); Airport parking (\$50.00). | | 984.40 |
| SUBTOTAL: | [| 984.40] |
| Total costs | | \$1,044.55 |
| Total amount of this bill | | \$195,382.69 |
| Previous balance | | \$10,971.25 |
| Balance due | | \$206,353.94 |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:
 Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

November 12, 2018

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19261

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|---|--------------------|--------------------|
| | <u>* Rosenthal, M.</u> | | |
| 6/1/2018-MR 6/30/2018 | Causation outline and analysis plan; discussions; data requests. | 16.75 725.00/hr | 12,143.75 |
| 7/1/2018-MR 7/31/2018 | Direct and review analysis; causation outline; meetings and calls with counsel, staff, other experts; data identification and requirements. | 30.25 725.00/hr | 21,931.25 |
| 8/1/2018-MR 8/31/2018 | Causation outline; direct and review analysis; meetings and calls with counsel, staff, other experts. | 35.25 725.00/hr | 25,556.25 |
| SUBTOTAL: | | [82.25 | 59,631.25] |
| For professional services rendered | | 82.25 | \$59,631.25 |
| Balance due | | | <u>\$59,631.25</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

October 13, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19716

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|-------------------|---------------|
| | <u>*McCluer, Forrest</u> | | |
| 8/1/2019 FM | Worked on Rosenthal supplemental/errata. | 6.75 500.00/hr | 3,375.00 |
| 8/2/2019 FM | Prepare Rosenthal errata. | 7.50 500.00/hr | 3,750.00 |
| 8/7/2019 FM | Work on response to defendants rebuttals. | 2.50 500.00/hr | 1,250.00 |
| 8/8/2019 FM | Work on response to defendants rebuttals and motion to exclude. | 4.50 500.00/hr | 2,250.00 |
| 8/9/2019 FM | Prepared comments on motion to strike. | 5.50 500.00/hr | 2,750.00 |
| 8/12/2019 FM | Organize support materials. Work on response to defendants rebuttals. | 0.25 500.00/hr | 125.00 |
| 8/13/2019 FM | Organized papers, binders, backup materials. Conducted backup analysis on unit roots. | 1.00 500.00/hr | 500.00 |
| 8/20/2019 FM | Reviewed Daubert order. | 1.00 500.00/hr | 500.00 |
| 8/22/2019 FM | Worked with S. Tolmie and X. Sha to prepare materials for trial and exhibits. | 4.00 500.00/hr | 2,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------------------|---|-------------------|---------------|
| 8/23/2019 FM | Reviewed and data checked materials for trial and exhibits. | 2.00 500.00/hr | 1,000.00 |
| 8/26/2019 FM | Prepared for trial. Spoke with X. Sha and S. Tolmie. Received request for data and documents that Rosenthal relied upon. | 1.00 500.00/hr | 500.00 |
| 8/27/2019 FM | Conducted analysis for R. Rushnawitz using Allergan Xponent data. | 6.00 500.00/hr | 3,000.00 |
| 8/28/2019 FM | Organized case materials for trial. Spoke with S. Tolmie. | 2.00 500.00/hr | 1,000.00 |
| 8/29/2019 FM | Helped to prepare exhibits for trial. | 0.25 500.00/hr | 125.00 |
| 8/30/2019 FM | Preparation for trial. Prepared slides for MR. | 2.93 500.00/hr | 1,464.44 |
| 8/31/2019 FM | Developed slides for 9/10 presentation. [REDACTED] | 0.67 500.00/hr | 336.53 |
| SUBTOTAL: | | [47.85 | 23,925.97] |
| <u>Augusteijn, M.</u> | | | |
| 8/1/2019 MA | Discussions with F. McCluer. | 1.25 500.00/hr | 625.00 |
| SUBTOTAL: | | [1.25 | 625.00] |
| <u>Erickson, Bennett</u> | | | |
| 8/19/2019 BE | Download and unzip and rename Rawlings data. Look into data import path issue caused by unzipping issue. | 1.25 390.00/hr | 487.50 |
| 8/20/2019 BE | Work on import of Rawlings supplemental data. Review data for completeness and email with Rawlings Company about data questions. Create data summary. | 4.75 390.00/hr | 1,852.50 |
| 8/22/2019 BE | Discuss Rawlings data with B. Hebert. Download additional Rawlings data and work on import checks. | 2.00 390.00/hr | 780.00 |
| 8/27/2019 BE | Discuss [REDACTED] with F. McCluer and Levin Law lawyers. | 0.75 390.00/hr | 292.50 |
| SUBTOTAL: | | [8.75 | 3,412.50] |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|--|--------------------|---------------|
| <u>Fry, Carrie</u> | | | |
| 8/29/2019 | CF Zip code to county crosswalks for selected counties, 2010-2019 | 4.00 300.00/hr | 1,200.00 |
| 8/30/2019 | CF Zip code to county crosswalk for 2000; cleanup for 2010-2019 | 2.00 300.00/hr | 600.00 |
| SUBTOTAL: | | [6.00 | 1,800.00] |
| <u>Hebert, Brian</u> | | | |
| 8/22/2019 | BH Starting work on importing additional pharmacy and medical claims, coordinating with checker. | 2.50 390.00/hr | 975.00 |
| 8/27/2019 | BH Finishing import fix after checking for a the first single set of rawlings claims. | 3.00 390.00/hr | 1,170.00 |
| 8/29/2019 | BH Rerunning IQVIA exponent import code and checks, re: request for several counties, 'cash' payments. | 4.50 390.00/hr | 1,755.00 |
| 8/30/2019 | BH Rerunning IQVIA exponent import code and checks, re: request for several counties, 'cash' payments. | 4.00 390.00/hr | 1,560.00 |
| 8/31/2019 | BH Rerunning IQVIA exponent import code and checks, re: request for several counties, 'cash' payments. | 10.00 390.00/hr | 3,900.00 |
| SUBTOTAL: | | [24.00 | 9,360.00] |
| <u>Honan, Sarah</u> | | | |
| 8/27/2019 | SH I answered questions regarding the Allergan Xponent data. | 1.00 235.00/hr | 235.00 |
| 8/29/2019 | SH Work with B.Hebert with the Xponent data. | 1.50 235.00/hr | 352.50 |
| SUBTOTAL: | | [2.50 | 587.50] |
| <u>Leibe, Bronwen</u> | | | |
| 8/9/2019 | BL Cite check memo in reply to the motion to strike | 8.00 150.00/hr | 1,200.00 |
| SUBTOTAL: | | [8.00 | 1,200.00] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|-------------------|--|--------------------|---------------|
| | <u>Sha, Xin</u> | | | |
| 8/1/2019 | XS | Checked the production programs and get them ready for submission. | 5.00 330.00/hr | 1,650.00 |
| 8/2/2019 | XS | Checked the production programs and prepared errata code. | 5.00 330.00/hr | 1,650.00 |
| 8/22/2019 | XS | Production program setup for trial preparation. | 1.00 330.00/hr | 330.00 |
| 8/27/2019 | XS | Checked all the errata produced. Prepared the raw data for trial. | 10.00 330.00/hr | 3,300.00 |
| 8/28/2019 | XS | Checked all the errata produced. Prepared the production code to check all the datasets and outputs. | 10.00 330.00/hr | 3,300.00 |
| 8/29/2019 | XS | Checked all the errata produced. Prepared the production code to check all the datasets and outputs. | 12.00 330.00/hr | 3,960.00 |
| 8/30/2019 | XS | Checked all the errata produced. Prepared the production code to check all the datasets and outputs. | 9.00 330.00/hr | 2,970.00 |
| | SUBTOTAL: | | [52.00 | 17,160.00] |
| | <u>Tolmie, S.</u> | | | |
| 8/1/2019 | ST | Formatting and editing errata for Rosenthal Declaration. | 2.00 195.00/hr | 390.00 |
| 8/2/2019 | ST | Formatting and editing errata for Rosenthal Declaration. | 3.00 195.00/hr | 585.00 |
| 8/5/2019 | ST | Organizing produced materials. | 1.00 195.00/hr | 195.00 |
| 8/6/2019 | ST | Organizing produced materials and creating report binders. | 7.00 195.00/hr | 1,365.00 |
| 8/12/2019 | ST | Preparing backup binder for expert. | 6.00 195.00/hr | 1,170.00 |
| 8/13/2019 | ST | Working on unit root code and analysis. Continuing work on backup binder. | 7.00 195.00/hr | 1,365.00 |
| 8/14/2019 | ST | Building macro for unit root analysis based off published literature. Continuing to prepare backup binder. | 5.00 195.00/hr | 975.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| 8/15/2019 | ST Finalizing backup binders for expert reports. | 3.00 195.00/hr | 585.00 |
| 8/22/2019 | ST Reviewing defendant expert reports for use of Medicaid and pharmacy claims data. | 6.00 195.00/hr | 1,170.00 |
| 8/23/2019 | ST Cleaning Articles folder and reviewing literature. | 6.00 195.00/hr | 1,170.00 |
| 8/26/2019 | ST Preparing exhibit code and materials relied upon. | 3.25 195.00/hr | 633.75 |
| 8/27/2019 | ST Working on [REDACTED] and materials relied upon. Continued preparing output programs. Conducted raw data production check. | 8.00 195.00/hr | 1,560.00 |
| 8/28/2019 | ST Preparing output programs. | 6.00 195.00/hr | 1,170.00 |
| 8/29/2019 | ST Preparing output programs for trial preparation and checking data. | 6.00 195.00/hr | 1,170.00 |
| 8/30/2019 | ST Creating [REDACTED] for attorney presentation comparing [REDACTED] Data checking ARCOS versus IQVIA total MMEs. Searching for references to Schumacher, Lembke, and Keys in Rosenthal Affirmative Report and Declaration. | 8.50 195.00/hr | 1,657.50 |

| | | | |
|-----------|---|-------|------------|
| SUBTOTAL: | [| 77.75 | 15,161.25] |
|-----------|---|-------|------------|

| | | |
|------------------------------------|--------|-------------|
| For professional services rendered | 228.10 | \$73,232.22 |
|------------------------------------|--------|-------------|

Additional Charges :

*McCluer, Forrest

| | | |
|----------|---|--------|
| 8/1/2019 | Two nights in Boston to meet with M. Rosenthal, and Boston-based staff. | 837.94 |
| | Three purchased articles for use in Rosenthal reply. | 112.22 |

| | | |
|-----------|---|---------|
| SUBTOTAL: | [| 950.16] |
|-----------|---|---------|

| | |
|-------------|----------|
| Total costs | \$950.16 |
|-------------|----------|

| | |
|---------------------------|-------------|
| Total amount of this bill | \$74,182.38 |
|---------------------------|-------------|

| | |
|------------------|--------------|
| Previous balance | \$740,437.61 |
|------------------|--------------|

Joseph Rice

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| | <u>Amount</u> |
|-------------|---------------------|
| Balance due | <u>\$814,619.99</u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice

Motley Rice

CC: T. Sobol/HBSS

October 13, 2019

In Reference To: *In re: National Prescription Opiate Litigation* [GMA # 344]

Invoice #: 19715

Professional Services

| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-------------|---|--------------------|---------------|
| | <u>*Glied, Sherry</u> | | |
| 7/1/2019-SG | Review materials; preparation of report; discussions. | 11.25 | 9,000.00 |
| 7/31/2019 | | 800.00/hr | |
| | SUBTOTAL: | [11.25 | 9,000.00] |
| | <u>*McCluer, Forrest</u> | | |
| 7/1/2019 FM | Prepared analyses to counter defendant experts. Conference call. Worked with S. Tolmie and S. Radack. Spoke with M. Kovach. | 12.50 500.00/hr | 6,250.00 |
| 7/2/2019 FM | Worked on draft declaration. Worked on analyses to critique opposing experts. | 9.50 500.00/hr | 4,750.00 |
| 7/3/2019 FM | [REDACTED] | 8.00 500.00/hr | 4,000.00 |
| 7/4/2019 FM | [REDACTED] | 10.75 500.00/hr | 5,375.00 |
| 7/5/2019 FM | Worked on draft declaration in opposition to the motion to exclude. | 11.00 500.00/hr | 5,500.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|--------------------|---------------|
| 7/6/2019 FM | Conducted analysis in support of oppoisiont to motion to exclude | 1.00 500.00/hr | 500.00 |
| 7/8/2019 FM | Worked on replicating Cockburn analyses. Directed S. Radack, S. Tolmie, and B. Leibe. | 3.50 500.00/hr | 1,750.00 |
| 7/9/2019 FM | Worked on tests of placebos with optimal turning points. Evaluate an analysis by Kyle. | 6.50 500.00/hr | 3,250.00 |
| 7/10/2019 FM | Analyzed Kyle analysis. Edited draft of Rosenthal declaration. | 5.50 500.00/hr | 2,750.00 |
| 7/11/2019 FM | Worked on Cockburn analysis and critique. Edited draft declaration for M. Rosenthal. | 8.50 500.00/hr | 4,250.00 |
| 7/12/2019 FM | Prepared draft of declaration in opposition to the motion to exclude. | 7.00 500.00/hr | 3,500.00 |
| 7/13/2019 FM | Researched potential problems with Kyle use of zipcode data in support of D. Cutler and C-L. | 1.50 500.00/hr | 750.00 |
| 7/14/2019 FM | Analyzed Xponent data for D. Cutler. Conducted analysis of placebos for M. Rosenthal. | 8.00 500.00/hr | 4,000.00 |
| 7/15/2019 FM | Prepared for conference call. Worked on analysis of Xponent data for D. Cutler. Worked on draft declaration in opposition to motion to exclude. | 9.25 500.00/hr | 4,625.00 |
| 7/16/2019 FM | Prepared analysis to support declartion in opposition to motion to exclude focusing on placebo tests. | 10.50 500.00/hr | 5,250.00 |
| 7/17/2019 FM | Conducted analysis on placebos. Worked with M. Farid on placebo analysis. | 8.50 500.00/hr | 4,250.00 |
| 7/18/2019 FM | Conduct analysis in support of declaration in opposition to motion to exclude. Worked with M. Farid, S. Radack. | 6.00 500.00/hr | 3,000.00 |
| 7/19/2019 FM | Review analysis. Assisted with identifying problems and outliers with Kyle Xponent data. Worked with S. Radack. | 3.25 500.00/hr | 1,625.00 |
| 7/20/2019 FM | Worked on Rosenthal draft declaraction and analyses in support of the declaration. Provided assistance to D. Cutler. | 3.75 500.00/hr | 1,875.00 |
| 7/21/2019 FM | Worked on draft declaration in opposition to motion to exclude. Review econometric papers | 1.50 500.00/hr | 750.00 |
| 7/22/2019 FM | Reviewed econometric literature regarding time-series breaks and identifying them. | 4.00 500.00/hr | 2,000.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|--------------------|---------------|
| 7/23/2019 FM | Worked on draft declaration report and supporting analyses. | 12.00 500.00/hr | 6,000.00 |
| 7/24/2019 FM | Prepare draft declaration and supporting materials. Assisted with data checking Kyle analysis. | 7.25 500.00/hr | 3,625.00 |
| 7/25/2019 FM | Worked on draft declaration in opposition to motion to excluded and supporting analyses. Worked with staff. | 12.50 500.00/hr | 6,250.00 |
| 7/26/2019 FM | Worked on draft declaration and support. | 11.50 500.00/hr | 5,750.00 |
| 7/27/2019 FM | Review final draft. Prepared and checked analyses. Worked with staff to prepare materials to turn over and conduct data checks. | 12.50 500.00/hr | 6,250.00 |
| 7/28/2019 FM | Prepared declaration, conducted data checks (cut 4 hours) | 13.50 500.00/hr | 6,750.00 |
| 7/29/2019 FM | Finalize report and prepare for production | 7.25 500.00/hr | 3,625.00 |
| 7/30/2019 FM | Prepare for production. | 7.75 500.00/hr | 3,875.00 |
| 7/31/2019 FM | Prepare materials for production. Data checked results with X. Sha. | 10.50 500.00/hr | 5,250.00 |
| SUBTOTAL: | | [234.75 | 117,375.00] |

*Starr, Martha

| | | | |
|--------------|--|-------------------|------------|
| 7/1/2019 MS | Work on Rosenthal reply; unit roots; rebut Kyle and Cantor reports. | 8.00 500.00/hr | 4,000.00 |
| 7/17/2019 MS | Work with PhD intern on pulling St. Louis FRED data to be used for subjecting Rosenthal direct model to additional placebo tests, looking for rate at which false positives occur. | 2.25 500.00/hr | 1,125.00 |
| 7/27/2019 MS | Help with revisions to Meredith Rosenthal's declaration relating to the motion to exclude her report. Review of data, methodology, programs and text for unit root tests (Attachment C). | 7.00 500.00/hr | 3,500.00 |
| 7/29/2019 MS | Provide feedback on Sherry Glied's report in support of Meredith Rosenthal's direct and indirect models. | 4.00 500.00/hr | 2,000.00 |
| SUBTOTAL: | | [21.25 | 10,625.00] |

Joseph Rice

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| | | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|----|--|-------------------|---------------|
| | | <u>Erickson, Bennett</u> | | |
| 7/15/2019 | BE | Work on review of Xponent data and potential data issues for F. McCluer. | 1.00 390.00/hr | 390.00 |
| 7/29/2019 | BE | Work on finding citations for Glied report. | 4.00 390.00/hr | 1,560.00 |
| SUBTOTAL: | | | [5.00 | 1,950.00] |

| | | | | |
|-----------|----|--|-------------------|-----------|
| | | <u>Hebert, Brian</u> | | |
| 7/9/2019 | BH | Restoring SQL Server Database from Defense Production, Margret Kyle | 6.50 390.00/hr | 2,535.00 |
| 7/10/2019 | BH | Restoring SQL Server Database from Defense Production, Margret Kyle, per F McCluer request. Building output summary table from defendant production, assistance in reviewing related stata programs. | 4.50 390.00/hr | 1,755.00 |
| 7/23/2019 | BH | Importing Rawlings Claims | 7.50 390.00/hr | 2,925.00 |
| 7/24/2019 | BH | Importing Rawlings Claims, checking lengths, data types | 4.00 390.00/hr | 1,560.00 |
| 7/25/2019 | BH | Importing Rawlings Claims, final checking lengths, data types | 3.00 390.00/hr | 1,170.00 |
| SUBTOTAL: | | | [25.50 | 9,945.00] |

| | | | | |
|-----------|----|--|-------------------|-----------|
| | | <u>Honan, Sarah</u> | | |
| 7/26/2019 | SH | I helped F.McCluer with removing duplicates and some analysis with the sunspot data. | 2.75 235.00/hr | 646.25 |
| 7/27/2019 | SH | I checked the data in attachment C. | 6.00 235.00/hr | 1,410.00 |
| SUBTOTAL: | | | [8.75 | 2,056.25] |

| | | | | |
|----------|----|--|-------------------|----------|
| | | <u>Kovach, Martin</u> | | |
| 7/1/2019 | MK | Review draft of Rosenthal's rebuttal report, and provide comments; call with clients and other experts. | 7.00 450.00/hr | 3,150.00 |
| 7/2/2019 | MK | Draft response to Defendants on "placebo" analysis; research economics literature on placebo analyses; review Kyle and Ketcham examples of "placebo" | 7.75 450.00/hr | 3,487.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|--------------|---|-------------------|---------------|
| | analyses; review academic studies of marketing depreciation rates. | | |
| 7/3/2019 MK | Draft response to defendant experts' placebo analyses; collect alternative data sets for placebo analyses; call with M. Rosenthal to discuss draft declaration | 8.00 450.00/hr | 3,600.00 |
| 7/5/2019 MK | Draft response to defendants' argument that addictive substances have high depreciation rates for marketing; research articles on marketing of addictive substances; call with M. Rosenthal to discuss draft report | 7.00 450.00/hr | 3,150.00 |
| 7/7/2019 MK | Draft response to defendants' argument that addictive substances have high depreciation rates for marketing; research articles on marketing of addictive substances; draft response to defendants' argument that a negative depreciation rate is unreasonable for prescription opioid marketing | 4.50 450.00/hr | 2,025.00 |
| 7/8/2019 MK | Draft response to defendants' argument that addictive substances have high depreciation rates for marketing; research articles on marketing of addictive substances; draft response to defendants' argument that a negative depreciation rate is unreasonable for prescription opioid marketing; read articles on rational addiction, and incorporate them into the Rosenthal declaration | 7.50 450.00/hr | 3,375.00 |
| 7/9/2019 MK | Review articles by Kevin Murphy on the theory of rational addiction, and incorporate into Rosenthal declaration; review articles on pharmaceutical marketing depreciation for evidence that (1) marketing to doctors has a lower rate of depreciation and (2) marketing's impact on market-wide sales depreciates relatively little, and incorporate this research into Rosenthal declaration | 8.00 450.00/hr | 3,600.00 |
| 7/12/2019 MK | Review and edit draft; outline and revise section on negative depreciation | 6.75 450.00/hr | 3,037.50 |
| 7/14/2019 MK | Review updated draft and comments by M. Rosenthal | 1.00 450.00/hr | 450.00 |
| 7/15/2019 MK | Call with M. Rosenthal and GMA team to discuss declaration; identify possible sample of datasets for placebo analysis | 3.75 450.00/hr | 1,687.50 |
| 7/16/2019 MK | Analyze data for placebo tests | 1.25 450.00/hr | 562.50 |
| 7/26/2019 MK | Document review to support section on defendants' marketing to formularies | 0.75 450.00/hr | 337.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|---|--------------------|---------------|
| | SUBTOTAL: | [63.25 | 28,462.50] |
| | <u>Leibe, Bronwen</u> | | |
| 7/3/2019 | BL Regression analysis for rebuttal review. | 1.00 150.00/hr | 150.00 |
| 7/5/2019 | BL Research for a rebuttal for the Motion to Exclude | 8.00 150.00/hr | 1,200.00 |
| 7/8/2019 | BL research and writing portion for reply report | 8.75 150.00/hr | 1,312.50 |
| 7/9/2019 | BL research and writing portion for reply report | 2.25 150.00/hr | 337.50 |
| 7/24/2019 | BL Cite checking the declaration in response to the motion to exclude | 9.00 150.00/hr | 1,350.00 |
| 7/25/2019 | BL Cite checking for the reply report | 12.00 150.00/hr | 1,800.00 |
| 7/26/2019 | BL Cite checking for the reply report | 11.50 150.00/hr | 1,725.00 |
| 7/27/2019 | BL Cite checking for the reply report | 7.00 150.00/hr | 1,050.00 |
| 7/28/2019 | BL Cite checking for the reply report | 5.50 150.00/hr | 825.00 |
| 7/29/2019 | BL Cite checking for the reply report, create backup folder | 9.50 150.00/hr | 1,425.00 |
| | SUBTOTAL: | [74.50 | 11,175.00] |
| | <u>Radack, Samuel</u> | | |
| 7/2/2019 | SR Review and analyze Cockburn code. | 4.00 150.00/hr | 600.00 |
| 7/8/2019 | SR Call notes analysis. | 9.50 150.00/hr | 1,425.00 |
| 7/9/2019 | SR Finished matching Cockburn's data set. Analysis of Cockburn work. | 8.75 150.00/hr | 1,312.50 |
| 7/10/2019 | SR Added information to Cockburn's data set. | 8.00 150.00/hr | 1,200.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------------------|--|--------------------|---------------|
| 7/15/2019 | SR Used Stata to get data on prescribers in multiple zip codes of Ohio | 6.50 150.00/hr | 975.00 |
| 7/16/2019 | SR Worked on Ohio prescribers data to explain error for Cutler. | 10.00 150.00/hr | 1,500.00 |
| 7/17/2019 | SR Worked on Ohio county information for Dr. Cutler and Renee. | 6.00 150.00/hr | 900.00 |
| 7/18/2019 | SR Got timespans.. Worked with Dr. Cutler to find issues with Kyle's report. | 4.50 150.00/hr | 675.00 |
| 7/19/2019 | SR Identified a data error within defense expert Kyle's data. Started gathering all outputs from defense experts use of Rosenthal's model. | 5.50 150.00/hr | 825.00 |
| 7/22/2019 | SR Took inventory of the variations of the Rosenthal models. Worked on comparing Kyle's data to the GMA raw data. | 9.00 150.00/hr | 1,350.00 |
| 7/23/2019 | SR Worked on Kyle and raw data to identify pattern in eupertrx. | 9.25 150.00/hr | 1,387.50 |
| 7/24/2019 | SR Worked on Kyle and Rosenthal drug comparison. Helped prepare binder for Rosenthal. Created a graph showing Kyle's R-Squared in reference to others. | 9.00 150.00/hr | 1,350.00 |
| 7/25/2019 | SR Graphs for Rosenthal's reply. Started data checking Rosenthal's reply. | 12.00 150.00/hr | 1,800.00 |
| 7/26/2019 | SR Worked on reading Rosenthal reply. Helped with graphs and citations. | 11.75 150.00/hr | 1,762.50 |
| 7/27/2019 | SR Helped prepare Rosenthal's reply. | 7.50 150.00/hr | 1,125.00 |
| 7/28/2019 | SR Worked on Rosenthal's reply. | 5.50 150.00/hr | 825.00 |
| 7/29/2019 | SR Worked on Rosenthal's reply. | 9.75 150.00/hr | 1,462.50 |
| 7/31/2019 | SR Worked on backup Rosenthal reply. | 2.00 150.00/hr | 300.00 |
| SUBTOTAL: | | [138.50 | 20,775.00] |
| <u>Rushnawitz, R.</u> | | | |
| 7/1/2019 | RR Call with counsel re [REDACTED]. | 0.50 575.00/hr | 287.50 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|-----------|--|-------------------|---------------|
| 7/3/2019 | RR Call with counsel and team. | 1.00 575.00/hr | 575.00 |
| 7/5/2019 | RR Call with M. Rosenthal and team. | 1.00 575.00/hr | 575.00 |
| 7/16/2019 | RR Rawlings data; research for T. Sobol. | 0.75 575.00/hr | 431.25 |
| 7/22/2019 | RR Rawlings data. | 0.25 575.00/hr | 143.75 |
| 7/25/2019 | RR Work on Glied report; call with counsel; review Rosenthal report. | 5.75 575.00/hr | 3,306.25 |
| 7/28/2019 | RR Work on Glied report. | 0.50 575.00/hr | 287.50 |
| 7/29/2019 | RR Work on Glied report. | 2.25 575.00/hr | 1,293.75 |
| SUBTOTAL: | | [12.00 | 6,900.00] |

Sha, Xin

| | | | |
|-----------|--|--------------------|-----------|
| 7/29/2019 | XS Prepared production code to check the programs. | 3.00 330.00/hr | 990.00 |
| 7/30/2019 | XS Prepared production code to check the programs. Checked the production programs. | 9.00 330.00/hr | 2,970.00 |
| 7/31/2019 | XS Checked the production programs and get them ready for submission. | 11.00 330.00/hr | 3,630.00 |
| SUBTOTAL: | | [23.00 | 7,590.00] |

Shields, Morgan

| | | | |
|----------|--|-------------------|----------|
| 7/1/2019 | MS Worked on appropriate use rebuttal for MR | 8.00 300.00/hr | 2,400.00 |
| 7/2/2019 | MS Worked on appropriate use rebuttal | 6.50 300.00/hr | 1,950.00 |
| 7/3/2019 | MS Worked on appropriate use rebuttal | 2.00 300.00/hr | 600.00 |
| 7/9/2019 | MS Worked on appropriate use rebuttal. | 6.00 300.00/hr | 1,800.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|---------------------|---|-------------------|---------------|
| 7/15/2019 | MS MR's rebuttal | 9.75 300.00/hr | 2,925.00 |
| 7/16/2019 | MS Working on MR's rebuttal/MTE --- data finding, lit review | 8.25 300.00/hr | 2,475.00 |
| 7/22/2019 | MS MR rebuttal revision, citation and data tracking | 8.50 300.00/hr | 2,550.00 |
| 7/23/2019 | MS MR rebuttal | 3.50 300.00/hr | 1,050.00 |
| 7/29/2019 | MS Work on MR's MTE report | 0.75 300.00/hr | 225.00 |
| SUBTOTAL: | | [53.25 | 15,975.00] |
| <u>Stone, Sarah</u> | | | |
| 7/29/2019 | SS Input citations for the Glied report, cite-checked it, and created Attachment B and the final PDF. | 6.50 195.00/hr | 1,267.50 |
| SUBTOTAL: | | [6.50 | 1,267.50] |
| <u>Tolmie, S.</u> | | | |
| 7/1/2019 | ST Investigating Kyle price index by analyzing changes in retail and wholesale prices and quantities of MR drugs. | 4.00 195.00/hr | 780.00 |
| 7/2/2019 | ST calculating fisher ideal price index for OxyContin products. Began stock of patients analysis. | 8.00 195.00/hr | 1,560.00 |
| 7/3/2019 | ST Meeting with Experts. Stock of patients analysis. | 5.00 195.00/hr | 975.00 |
| 7/8/2019 | ST Draft editing. Literature review. Reviewing motion to exclude. | 4.00 195.00/hr | 780.00 |
| 7/9/2019 | ST Draft editing. Literature review. Reviewing motion to exclude. | 6.00 195.00/hr | 1,170.00 |
| 7/10/2019 | ST Discovery document review for Key Opinion Leaders. | 5.00 195.00/hr | 975.00 |
| 7/11/2019 | ST Discovery document review for Key Opinion Leaders. | 5.00 195.00/hr | 975.00 |
| 7/12/2019 | ST Reviewing and inventorying motion to exclude. | 6.00 195.00/hr | 1,170.00 |

Joseph Rice

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| | | <u>Hrs/Rate</u> | <u>Amount</u> |
|------------------------------------|--|--------------------|---------------|
| 7/15/2019 | ST Meeting with Expert. Document review of addiction and risk claims by defendants. Checking defendant expert reports for empirical analyses. Training other analyst on Relativity and document discovery. | 8.00 195.00/hr | 1,560.00 |
| 7/16/2019 | ST Reading defendant expert reports for indirect and direct analyses redos. Literature review for placebo tests. | 6.00 195.00/hr | 1,170.00 |
| 7/18/2019 | ST Reviewing clinical expert reports. Reviewing medical literature on tolerance and addiction. Literature review on opioid epidemic demographic trends for expert report. | 8.00 195.00/hr | 1,560.00 |
| 7/22/2019 | ST Literature review on market-wide spillover effects of promotion. | 6.00 195.00/hr | 1,170.00 |
| 7/23/2019 | ST Reviewing expert report for citations that still need to be filled. Defendant document discovery for messages that target chronic pain and created rhetoric of undertreatment of pain. | 7.00 195.00/hr | 1,365.00 |
| 7/24/2019 | ST Fixing citation formatting. Kyle drug list comparison and analysis. Involved in sunspot analysis. | 8.00 195.00/hr | 1,560.00 |
| 7/25/2019 | ST Histogram of Kyle's cherry-picked R-square. | 10.00 195.00/hr | 1,950.00 |
| 7/26/2019 | ST Histogram of Kyle's cherry-picked R-square. Fixing/checking citations. | 9.00 195.00/hr | 1,755.00 |
| 7/27/2019 | ST Omitted variable table. Research changing number of veterans, hospitals, physicians, etc. | 7.00 195.00/hr | 1,365.00 |
| 7/28/2019 | ST Cite checking and reviewing motion to exclude. | 4.00 195.00/hr | 780.00 |
| 7/29/2019 | ST Cite checking expert report and creating attachment B. | 10.00 195.00/hr | 1,950.00 |
| 7/30/2019 | ST Preparing unit roots code for production. | 4.00 195.00/hr | 780.00 |
| 7/31/2019 | ST Preparing code for production. | 2.00 195.00/hr | 390.00 |
| SUBTOTAL: | | [132.00 | 25,740.00] |
| For professional services rendered | | 809.50 | \$268,836.25 |

Joseph Rice

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Additional Charges :

| | <u>Amount</u> |
|---|----------------------------|
| <u>*McCluer, Forrest</u> | |
| 7/27/2019 Weekend AC - four staff in the office, scheduled for 9-7pm Sat and Sun @ \$50//hour 10 hrs x 2 days x 50=1,000. | 1,000.00 |
| SUBTOTAL: | [1,000.00] |
| Total costs | <u>\$1,000.00</u> |
| Total amount of this bill | <u>\$269,836.25</u> |
| Previous balance | \$625,778.18 |
| 10/2/2019 Payment - Thank You.. Check No. 20954 | <u>(\$155,176.82)</u> |
| Total payments and adjustments | (\$155,176.82) |
| Balance due | <u><u>\$740,437.61</u></u> |

Greylock McKinnon Associates

75 Park Plaza
 4th Floor
 Boston, MA 02116
 Tax ID No.: 04-3151187

Invoice submitted to:

Joseph Rice
 Motley Rice
 CC: T. Sobol/HBSS

October 13, 2019

In Reference To: *In re: National Prescription Opiate Litigation - M. Rosenthal [GMA # 344A]*

Invoice #: 19714

Professional Services

| | <u>Hrs/Rate</u> | <u>Amount</u> |
|--|-----------------|---------------------|
| * Rosenthal, M. _____ | | |
| 7/1/2019-MR Work on reply; discussions with counsel. | 38.75 | 31,968.75 |
| 7/31/2019 | 825.00/hr | |
| SUBTOTAL: | [38.75 | 31,968.75] |
| For professional services rendered | 38.75 | \$31,968.75 |
| Previous balance | | \$86,981.25 |
| 10/2/2019 Payment - Thank You.. Check No. 20954 | | (\$9,075.00) |
| Total payments and adjustments | | (\$9,075.00) |
| Balance due | | <u>\$109,875.00</u> |